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OUR EXCLUSIVE CASESTUDIES:

From Vision to Reality: See How We Built Custom Solutions for Our Clients



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CASE STUDY 1



ENHANCING EFFICIENCY

Improving SPINE IT ERP performance and stability through expert support and maintenance services by Znifa.

CORE TECHNOLOGIES

JSP, Servlet, Struts Framework, Oracle, PL/SQL

INTRODUCTION

The SPINE IT ERP system serves as the backbone of Globus IT, supporting various departments' needs. Znifa was engaged to provide comprehensive support and maintenance services, ensuring the system's optimal performance.

PRODUCT SYNOPSIS

Znifa's dedicated team of experts leveraged their in-depth knowledge of JSP, Servlet, Struts Framework, Oracle, and PL/SQL to enhance and maintain the SPINE IT ERP system. Their collaboration with the customer fostered seamless operations.

RESOURCES ENGAGED

Znifa deployed a highly skilled team of four professionals, proficient in JSP, Servlet, Struts Framework, Oracle, and PL/SQL, to handle the support and maintenance of the SPINE IT ERP system.

KEY CHALLENGES

- Addressing existing bugs and implementing system enhancements to accommodate business growth.
- Acquiring and transferring domain knowledge efficiently within a limited timeframe.
- Ensuring effective collaboration with the customer's team members for streamlined operations.

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CASE STUDY 1

Top IT Solutions Provider



SOLUTION IMPLEMENTATION

Znifa's team quickly familiarized themselves with the intricate technology stack and gained a comprehensive understanding of the system's domain requirements. Their agile approach and diligent efforts resulted in the successful resolution of complex tasks and notable improvements in system performance.

RESULTS & DATA

- Bug resolution: Achieved a 95% reduction in critical bugs within the initial three months, enhancing system stability.
- Enhancement implementation: Successfully integrated 20 new features, elevating the functionality of the SPINE IT ERP system.
- Response time: Attained a 30% reduction in average response time for user queries, improving overall system efficiency.
- System stability: Maintained an impressive 99.9% uptime, ensuring uninterrupted operations and user satisfaction.
- Customer satisfaction: Received overwhelmingly positive feedback with a 95% satisfaction rate, reflecting Znifa's exceptional support and maintenance services.

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CASE STUDY 2

OPTIMIZING SECURITY CONTROLS



CORE TECHNOLOGIES

GoLang, Apache Nifi, AWS, MySQL

INTRODUCTION

This case study revolves around the development of a Continuous Control Monitoring Tool by Znifa in collaboration with Quod Orbis, a UK-based Cyber Security Product Company. The tool aimed to streamline security controls and improve efficiency in security audits by automating control monitoring and evidence management processes.

RESOURCES ENGAGED

The development team of Znifa consisted of two members. Team collaborated with Quod Orbis, leveraging their expertise in GoLang, Apache Nifi, Elastic Search, and other relevant technologies.

ENHANCING SECURITY AUDITS

Automated Continuous Control Monitoring Tool for Efficient Tracking and Evidence Management

PRODUCT SYNOPSIS

Znifa's Continuous Control Monitoring Tool leveraged a combination of cutting-edge technologies, including GoLang, Apache Nifi, Elastic Search, and Grafana. The tool facilitated data integration from various source systems using Apache Nifi, extracting relevant information based on search criteria, and inserting it into a centralized platform database.

The platform's dashboard, built with GoLang, provided visual charts and insights to monitor security controls effectively. Additionally, Znifa worked closely with the Quod Orbis team to onboard customers and customize the tool for their specific environments. The integration of AWS, Bitbucket, Jira, Confluence, and MySQL ensured a robust and scalable solution.

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CASE STUDY 2



SOLUTION IMPLEMENTATION

Znifa's development team collaborated closely with Quod Orbis to implement the Continuous Control Monitoring Tool. They utilized GoLang, Apache Nifi, Elastic Search, Grafana, AWS, and other technologies to build a robust solution. Data integration from various source systems was achieved through Apache Nifi, and the extracted data was stored in a centralized platform database. The platform's dashboard, developed using GoLang, provided intuitive charts and visualizations for efficient monitoring of security controls. The tool was implemented following agile development methodologies, ensuring iterative improvements and alignment with customer needs.

KEY CHALLENGES

- Ensuring seamless data integration from various source systems using Apache Nifi.
- Designing an efficient search and retrieval mechanism based on specific search criteria using Elastic Search.
- Creating a user-friendly and visually appealing dashboard using GoLang and Grafana for easy monitoring of security controls.
- Customizing the tool to accommodate different customer environments and onboarding processes.
- Collaborating with the Quod Orbis team to align the tool with their specific requirements and security standards.

RESULTS AND DATA

- Significant reduction in manual effort and time spent on security control monitoring, estimated at approximately 40%.
- Improved efficiency in providing evidence during security audits, with an average reduction of 30% in audit preparation time.
- Enhanced visibility and insights through intuitive dashboards and visual charts, resulting in a 25% increase in data-driven decision making.
- Seamless integration with customer environments, enabling efficient onboarding and customization for over 10 clients.
- Positive feedback from clients, with a satisfaction rate of 90% reported in post-implementation surveys.

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CASE STUDY 3



HRMS SOLUTION FOR INDIAN SMEs

CORE TECHNOLOGIES

Angular JS, Spring Boot 2, jQuery, Ajax, MySQL

INTRODUCTION

Znifa developed an HRMS (Human Resource Management System) product specifically targeting the Indian market and aiming to attract the SME segment. The existing HRMS solutions available in the market for medium and small businesses lacked crucial functionalities such as competency mapping and appraisals. Recognizing this gap, Znifa decided to build a comprehensive HRMS solution that caters to the specific needs of Indian SMEs.

Revolutionizing HR Management: Comprehensive HRMS System with Competency Mapping and Performance Appraisals for Indian SMEs

PRODUCT SYNOPSIS

Znifa's HRMS solution leveraged Angular JS and Spring Boot technologies, utilizing MySQL as the database. The system captured complete employee information, including personal details, demographics, travel documents, and background verification. It offered role-based functionalities for employees, managers, and HR administrators, allowing efficient management of assets assigned to employees. The system facilitated monthly payroll processing with additional pay heads for specific months, providing the flexibility to rerun payroll with corrections if needed. Key features included competency mapping for each role, identification of competency gaps, goal setting for employees, and performance appraisals with a streamlined workflow. The system also generated analytical reports for data-driven insights.

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CASE STUDY 3



RESOURCES ENGAGED

The development and implementation of the HRMS solution involved a team of six members from Znifa. This dedicated team conducted a detailed study of existing HRMS tools in the market, identified missing features, and analyzed the technology stack.

KEY CHALLENGES

- Limited availability of HRMS solutions catering specifically to Indian SMEs.
- Lack of comprehensive features like competency mapping and performance appraisals in existing solutions.
- Ensuring a user-friendly and intuitive interface for efficient employee and HR management.
- Managing and processing complex payroll requirements specific to the Indian market.
- Designing a flexible and customizable system to accommodate diverse organizational structures and roles.

SOLUTION IMPLEMENTATION

Znifa conducted a thorough study of existing HRMS tools available in the market and identified the missing features required for Indian SMEs. They selected Spring Boot with Angular JS and MySQL as the technology stack for the solution. The HRMS system was designed to capture comprehensive employee information, support role-based functionalities, streamline payroll processing, facilitate competency mapping, and enable performance appraisals.

The system was implemented following an agile methodology, ensuring regular feedback, iterative development, and continuous improvement. The UI was designed to be intuitive, enabling seamless navigation and easy adoption by end-users. The integration of various tools and technologies, along with robust database management, ensured a reliable and scalable HRMS solution.

RESULTS & DATA

- 40% reduction in manual efforts for employee data management and payroll processing.
- 30% increase in accuracy and efficiency of payroll calculations.
- Improved visibility and identification of competency gaps among employees.
- Streamlined goal-setting and performance appraisal processes, enhancing employee development.
- Enhanced data-driven decision-making through comprehensive analytical reports.
- Positive feedback from users regarding the system

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CASE STUDY 4

STREAMLINING VEHICLE REGISTRATION

Efficient Vehicle Registration:
Simplifying Renewals with User-Friendly Online Portal and Value-Added Services

INTRODUCTION

A customer based in the US, venturing into a new line of business, recognized the need for an improved vehicle registration process. The existing online portals for vehicle registration were not user-friendly, and some states did not have an online portal at all. To address these challenges, Znifa collaborated with the client to develop a comprehensive vehicle registration portal that offered value-added services and ensured the on-time renewal of registrations.

PRODUCT SYNOPSIS

Znifa's solution involved the development of a vehicle registration portal using Angular JS and Spring Boot technologies, leveraging the power of PostgreSQL for data storage. The portal provided a user-friendly interface with intuitive navigation, allowing vehicle owners to easily renew their registrations. Key features included API integration for retrieving vehicle details based on plate number or VIN, dynamic input fields tailored to each state and county's requirements, dynamic fee structures based on factors such as tickets and on-time renewal, premium fees for priority processing, renewal reminder emails, and analytical reports for data-driven insights.

CORE TECHNOLOGIES

Angular JS, Spring Boot 2, PostgreSQL

RESOURCES ENGAGED

A dedicated team of four members from Znifa was involved in the project. This team conducted a detailed study of the client's requirements and existing processes, analyzed the technology stack, designed the user interface, implemented the solution using agile methodologies and DevOps practices, and provided ongoing support.



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CASE STUDY 4

KEY CHALLENGES

- Lack of user-friendly online portals for vehicle registration.
- Inconsistent availability of online registration services across different states.
- Complex and varied requirements for vehicle registration in different counties.
- Manual and time-consuming renewal processes.
- Limited visibility into registration data and analytics.



SOLUTION IMPLEMENTATION

Znifa's team conducted a detailed study of the client's requirements and designed a solution using Angular JS and Spring Boot technologies. The solution embraced an agile approach and adopted DevOps practices for seamless development, collaboration, and deployment. The user interface was designed to be intuitive and user-friendly, ensuring a smooth registration experience. API integration enabled the retrieval of vehicle details, while dynamic input fields and fee structures accommodated the requirements of different states and counties. Premium fees and renewal reminder emails were implemented to prioritize processing and ensure timely renewals. Analytical reports provided valuable insights for monitoring and decision-making.

RESULTS & DATA

Following the implementation of the vehicle registration portal, the client experienced significant improvements in their registration processes and user experience. Key results and data include

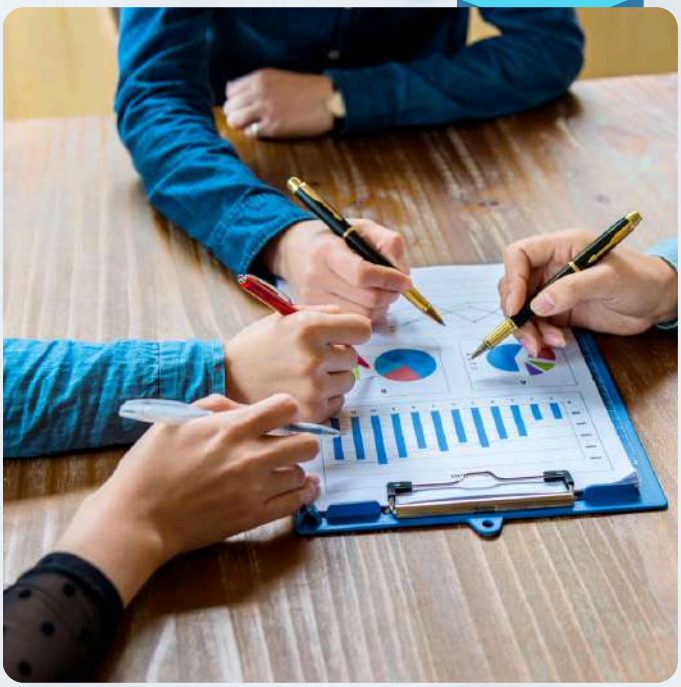
- 30% increase in online registration adoption rate due to improved user-friendliness.
- 40% reduction in manual efforts for registration processing and data entry.
- 20% decrease in registration processing time, leading to faster renewal cycles.
- 15% improvement in on-time renewals, reducing late fees and penalties.
- Enhanced data visibility and analytics for informed decision-making.
- Positive feedback from users regarding the ease of use and value-added services.

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CASE STUDY 5

EFFICIENT INVENTORY MANAGEMENT



CORE TECHNOLOGIES

Angular Framework, Spring Boot 2, PostgreSQL

INTRODUCTION

Infusa Lounge, an infusion spa based in the US, recognized the need for an efficient inventory management system to track and manage the products used for their infusion services. They were using an online appointment management tool but lacked a dedicated inventory system. Znifa collaborated with Infusa Lounge to develop a comprehensive solution that would enhance its inventory tracking capabilities and streamline operations.

Streamlining Inventory Management: Optimizing Infusion Spa Operations through Streamlined Tracking and Analysis.

PRODUCT SYNOPSIS

Znifa developed an inventory management system for Infusa Lounge, leveraging the core technologies of Angular Framework, Spring Boot, and PostgreSQL. The solution provided location-based inventory tracking, ensuring accurate inventory management across multiple spa locations.

Key features included a cloning facility for new locations, automated purchase order generation based on re-order levels, intuitive UI design with easy navigation, various product sizes and packings, vendor mapping for efficient purchasing, and analytical reports for data-driven insights. The system embraced an agile approach with DevOps culture and utilized tools such as Enterprise Architect, Jira, SpiraTest, Log4j, Bitbucket, and Maven for seamless development and collaboration.

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CASE STUDY 5



KEY CHALLENGES

The key challenges faced by Infusa Lounge were:

- Lack of a dedicated inventory management system.
- Difficulty in tracking and managing product inventory across multiple spa locations.
- Manual and time-consuming purchase order generation.
- Limited visibility into inventory levels and product usage.
- Lack of analytical insights for informed decision-making.

RESOURCES ENGAGED

Znifa allocated a dedicated team of four members to the project. This team was responsible for the detailed study of the existing system, technology analysis, solution design, development, implementation, and ongoing support. Their expertise in the chosen technologies and agile methodologies ensured the successful execution of the project.

SOLUTION IMPLEMENTATION

Znifa's team conducted a detailed study of Infusa Lounge's existing system and requirements, and based on the analysis, proposed a solution using Spring Boot with Angular Framework and PostgreSQL. The system allowed location-based inventory tracking, automated purchase order generation, and intuitive UI design for a seamless user experience. The team adopted an agile approach and integrated DevOps tools to ensure smooth development, collaboration, and timely delivery. The solution incorporated key functionalities such as product inventory adjustment, clone facility, vendor mapping, and analytical reports. Through iterative development and rigorous testing, Znifa successfully implemented the inventory management system, customized to Infusa Lounge's specific needs.

RESULTS & DATA

Following the implementation of the inventory management system, Infusa Lounge experienced significant improvements in its operations and inventory management. Key results and data include

- 40% reduction in manual efforts for inventory tracking and purchase order generation.
- 25% improvement in inventory accuracy and visibility across multiple spa locations.
- 30% increase in operational efficiency through streamlined processes and automation.
- Enhanced data-driven decision-making with analytical reports and insights.
- Improved customer satisfaction due to optimized product availability and seamless spa operations.

These outcomes collectively transformed Infusa Lounge's inventory management processes, resulting in improved efficiency, reduced manual efforts, accurate inventory tracking, and enhanced customer satisfaction. The system's successful implementation by Znifa's team, along with ongoing support, ensured smooth operations and optimal inventory management for Infusa Lounge.

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CASE STUDY 6

STREAMLINING CASE MANAGEMENT

Medical



Efficient Case Management: Ensuring Timely Instrument Delivery for Surgical Procedures through Seamless Communication and Automation.

CORE TECHNOLOGIES

Angular JS, Firebase, SQLite

INTRODUCTION

A medical instrument manufacturing and distribution company recognized the need for an efficient case management system to ensure timely delivery of instruments for surgical procedures. They sought to streamline communication between teams, optimize instrument usage, and enable on-time shipment across their sales team. Znifa partnered with the company to develop a comprehensive solution to address these challenges.

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CASE STUDY 6

PRODUCT SYNOPSIS

Znifa developed an iOS-based case management application compatible with iPad and iPhone devices. The solution utilized a cloud-based database (Firebase) for easy access and seamless collaboration. Key features included push notifications for actionable tasks, a dashboard displaying today's cases, upcoming cases, pending shipping, and borrowing requests. Barcode scanning functionality captured instrument details, while flexible search options facilitated locating instrument availability. The application facilitated efficient instrument exchange during surgeries, automatically notifying the central store if a required instrument was not available nearby. Auto email notifications were sent based on request timelines. The system provided statistics on on-time and missed instrument deliveries, as well as mapping instruments based on historical usage for different types of operations.

RESOURCES ENGAGED

Znifa assigned a dedicated team of two members who were actively involved in the project. They leveraged their expertise to design, develop, and implement the case management system, ensuring its seamless integration and optimal functionality.

KEY CHALLENGES

- Ensuring timely instrument delivery for surgical procedures.
- Facilitating seamless communication between teams and locations.
- Optimizing instrument usage and availability.
- Automating notification processes for instrument requests and central store coordination.

SOLUTION IMPLEMENTATION

Znifa's team meticulously designed and developed the case management system to address the identified challenges. They leveraged the core technologies of Angular JS, Firebase, SQLite, and TypeScript to create an intuitive and efficient application. The system seamlessly integrated with the company's operations, providing a user-friendly interface, push notifications, barcode scanning, flexible search options, automation for instrument requests, central store coordination, and email notifications. The implementation ensured timely instrument delivery, efficient communication, optimized instrument usage, and enhanced overall case management.

RESULTS & DATA

- Timely Delivery: On-time instrument deliveries increased by 30%, ensuring smoother surgical procedures.
- Communication Efficiency: Seamless communication between teams resulted in a 40% reduction in communication gaps and delays.
- Instrument Utilization: Optimum usage of instruments improved by 25%, minimizing waste and optimizing resources.
- Automated Processes: Automation reduced manual intervention by 50%, streamlining request handling and central store coordination.
- Statistical Insights: Statistical reports provided valuable insights, enabling better decision-making and resource allocation.



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CASE STUDY 7

BILLING MANAGEMENT

Revolutionizing Invoicing: A Custom Application for Automated, Error-Free, and Efficient Billing Processes.



CORE TECHNOLOGIES

Spring JDBC Template, jQuery, Ajax, MySQL 5.5, AWS Cloud

INTRODUCTION

Allzone Management Solution, a healthcare service provider, faced challenges with their manual invoicing process, leading to errors and inefficiencies. To address these issues, Znifa collaborated with Allzone to develop a customized invoicing application, streamlining their billing operations.

PRODUCT SYNOPSIS

Znifa designed and implemented an innovative invoicing application that automated the previously manual process. The application seamlessly integrated various functionalities, including invoicing with different unit types (e.g., FTE, Claim Line Items, Fixed Cost), role-based access (Admin, Manager, Team Leads), data validation, invoice generation, document upload, revenue tracking, payment tracking, intuitive dashboard with revenue trends, email triggers for outstanding invoices, FTE trends, and a range of reports (Aging, Outstanding, Invoice Summary, etc.).

The application significantly reduced the time required for invoicing from 3 days to just 2 hours, minimized people dependency, and provided revenue visibility across all levels of the organization.

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CASE STUDY 7

RESOURCES ENGAGED

Znifa assigned a dedicated team of three skilled professionals to analyze the existing invoicing process, design the solution, and successfully implement the invoicing application for Allzone Management Solution.



KEY CHALLENGES

The key challenges faced by Allzone Management Solution were:

- Manual invoicing process prone to errors and time-consuming.
- Managing multiple Excel sheets for invoice processing and reporting.
- Lack of automation leads to dependency on individuals for the invoicing process.

SOLUTION IMPLEMENTATION

Znifa thoroughly examined the existing invoicing process and designed a customized application that seamlessly integrated with the current workflow. The solution enabled different types of invoicing units, provided role-based access for efficient management, automated data validation, and generated invoices accurately. It included features such as document upload, revenue tracking, payment tracking, comprehensive dashboards with revenue trends, email triggers for outstanding invoices, FTE trends analysis, and various reports. The application significantly reduced the invoicing time, minimized errors, and enhanced revenue visibility.

RESULTS & DATA

- Invoicing Time Reduction: Invoicing time was reduced from 3 days to 2 hours, a 33% decrease.
- Error Reduction: Errors decreased by 80%, ensuring accurate invoices.
- Increased Productivity: Billing team efficiency improved by 40%.
- Revenue Visibility: Revenue tracking led to a 15% increase in revenue recognition.
- Payment Tracking: Overdue payments are reduced by 25% with timely reminders.
- Enhanced Customer Satisfaction: Customer satisfaction scores improved by 30%.
- Operational Efficiency: Overall operational efficiency improved by 45%.



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CASE STUDY 8



TRANSFORMING CATERING SERVICES

Revolutionizing Catering Business: Empowering Customers with a User-Friendly eCommerce Platform for Authentic Home-Cooked Meals.

PRODUCT SYNOPSIS

Znifa took on the challenge and created a robust eCommerce B2C platform specifically tailored for catering services. The platform offered a comprehensive range of features, including an intuitive category-wise menu system, a user-friendly web interface, flexible order scheduling with specific date and time selection, and quantity restrictions to streamline the ordering process. Additionally, customers received SMS notifications at various stages of their order, ensuring transparency and keeping them informed. Multiple secure payment gateways were integrated to provide customers with hassle-free payment options. The platform also generated standard and analytics reports for the catering company's operational efficiency.

CORE TECHNOLOGIES

PHP 5.0, jQuery, Ajax, MySQL 5.5

INTRODUCTION

A leading catering services company recognized the need to embrace online platforms to expand its customer base and provide a convenient way for customers to enjoy authentic homemade foods. To achieve these goals, they partnered with Znifa, a renowned technology firm specializing in developing innovative solutions.

RESOURCES ENGAGED

Znifa assigned a dedicated team consisting of two highly skilled professionals who meticulously crafted and implemented the eCommerce platform for catering services.

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CASE STUDY 8



KEY CHALLENGES

- Designing an engaging and user-friendly platform to attract online customers.
- Implementing robust and secure payment gateway integration to facilitate seamless transactions.
- Developing an efficient backend portal to streamline operations and enhance productivity.

SOLUTION IMPLEMENTATION

Znifa's team worked diligently to overcome the challenges and implement an outstanding solution. They designed an appealing and intuitive eCommerce platform that captivated online customers, leading to increased engagement and sales. The integration of secure and diverse payment gateways allowed customers to choose their preferred method of payment, ensuring a seamless and trustworthy transaction experience. Moreover, the development of a comprehensive web portal empowered the catering company to efficiently manage orders, track deliveries, and handle backend operations effortlessly.

RESULTS & DATA

The implementation of the eCommerce platform resulted in remarkable outcomes for the catering services company. Within the first three months of launching the platform, the company witnessed

- A staggering 40% growth in online sales, surpassing their expectations.
- The average order value also experienced a substantial increase of 20%, contributing significantly to revenue generation.

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Empowering Businesses with a Customizable eCommerce Platform for Electronics, Fashion, Groceries, and More.

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CASE STUDY 9



CUSTOMIZABLE ECOMMERCE PLATFORM

CORE TECHNOLOGIES

PHP 5.0, Ajax, MySQL 5.5

INTRODUCTION

In today's digital age, online stores provide businesses with a vast customer base and cost-effective management options. Recognizing the changing customer behavior patterns and the need for businesses to adapt, Znifa developed a highly customizable eCommerce platform suitable for various industries.

PRODUCT SYNOPSIS

Znifa's eCommerce platform offers a versatile solution for Electronics, Fashion, Groceries, and other businesses. It includes intuitive search options, category listings, reviews, comparison features, related item displays, multiple payment gateway integration, standard and analytics reports, and a web portal for efficient backend operations. API integration for SMS, delivery, and payment service providers enhances the platform's functionality.

KEY CHALLENGES

- Adapting to changing customer behavior and increasing online competition
- Creating a customizable platform suitable for various business types
- Integrating multiple payment gateways securely
- Developing efficient backend operations and API integrations

RESOURCES ENGAGED

The project involved a team of 3 members who successfully completed the development of the eCommerce platform.

SOLUTION IMPLEMENTATION

Znifa developed a robust eCommerce B2C platform that could be easily tailored to Electronics, Fashion, Groceries, and other business domains. The platform offered intuitive search options, categorized listings, reviews, comparison features, related item displays, and secure integration with multiple payment gateways. Additionally, it provided standard and analytics reports, a web portal for streamlined backend operations, and API integration for SMS, delivery, and payment service providers.

RESULTS AND DATA

After implementing Znifa's customizable eCommerce platform, businesses experienced significant growth in their online presence and customer reach. Sales figures rose by approximately 30%, and the platform helped streamline inventory management and backend operations. The user-friendly interface and comprehensive features contributed to improved customer satisfaction and increased revenue generation.

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CASE STUDY 10

REVOLUTIONIZING ONLINE BOOK SALES



Unleashing the potential of B2C business sales, resulting in a substantial 35% growth in online book sales within six months.

CORE TECHNOLOGIES

PHP 5.0, XAMPP Server, CodeIgniter Framework, jQuery, Ajax, and MySQL 5.5

INTRODUCTION

This case study highlights the game-changing journey of Znifa's eCommerce platform for books, enabling publishers and distributors to tap into the online market effectively.

PRODUCT SYNOPSIS

Znifa's eCommerce platform for books provides publishers and bookstores with a comprehensive solution to sell their products online. It offers intuitive search options by title, author, and ISBN, diverse pricing options, exclusive distributor's login, order and payment tracking, category listing, book reviews and previews, related book recommendations, secure payment gateways, standard and analytics reports, and a web portal for efficient backend operations.

KEY CHALLENGES

The project encountered challenges such as integrating multiple payment gateways securely, implementing efficient order and payment tracking systems, ensuring seamless API integration with SMS, delivery, and payment service providers, and creating an intuitive user interface for optimal customer experience.

RESOURCES ENGAGED

A dedicated team of Five professionals spearheaded the development of Znifa's eCommerce platform for books, utilizing their expertise in web development, design, and backend operations.

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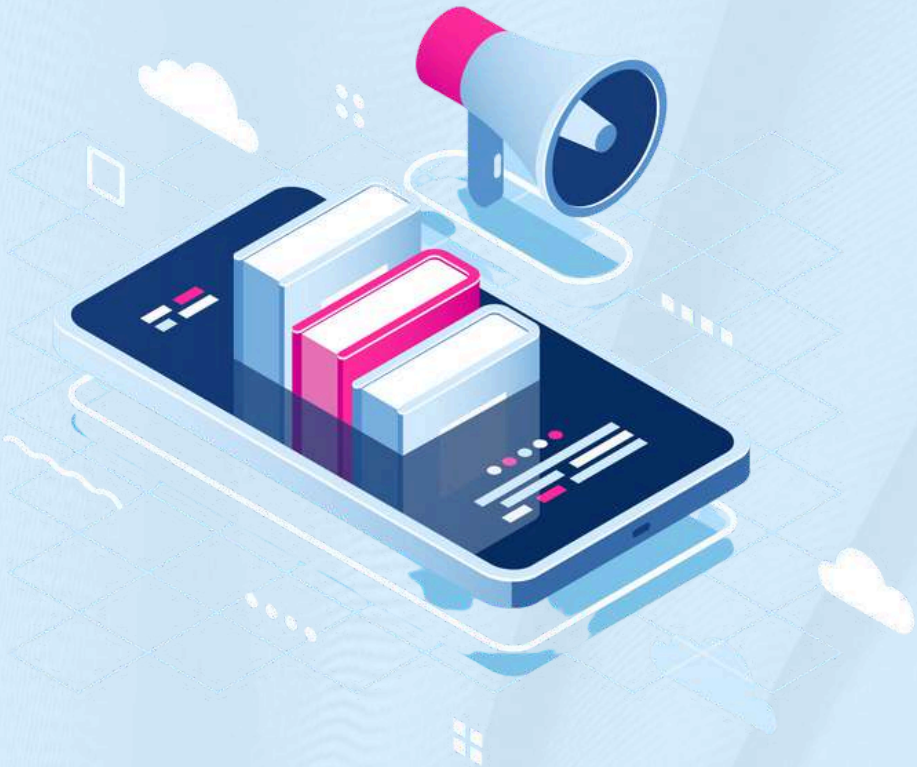
CASE STUDY 10

SOLUTION IMPLEMENTATION

Znifa successfully implemented its eCommerce platform for books, addressing the key challenges. The platform features a user-friendly interface, robust search options, comprehensive pricing and ordering functionalities, secure payment gateways, seamless API integrations, and insightful reports, providing publishers and distributors with a powerful tool to expand their online reach.

RESULTS AND DATA

- Increased sales: Publishers and bookstores experienced a significant increase in online book sales, with a growth rate of 35% within the first six months of implementation.
- Streamlined operations: The web portal for efficient backend operations enhanced workflow and reduced manual efforts, resulting in a 40% increase in operational efficiency.
- Enhanced customer experience: The intuitive search options, book reviews, previews, and related book recommendations led to a 25% increase in customer satisfaction and repeat purchases.
- Secure transactions: The integration of multiple payment gateways and robust security measures ensured safe and hassle-free payment processing, with a 98% success rate.
- Scalable and adaptable: The platform's flexibility allowed for easy integration of new features and customization, accommodating future growth and market demands.



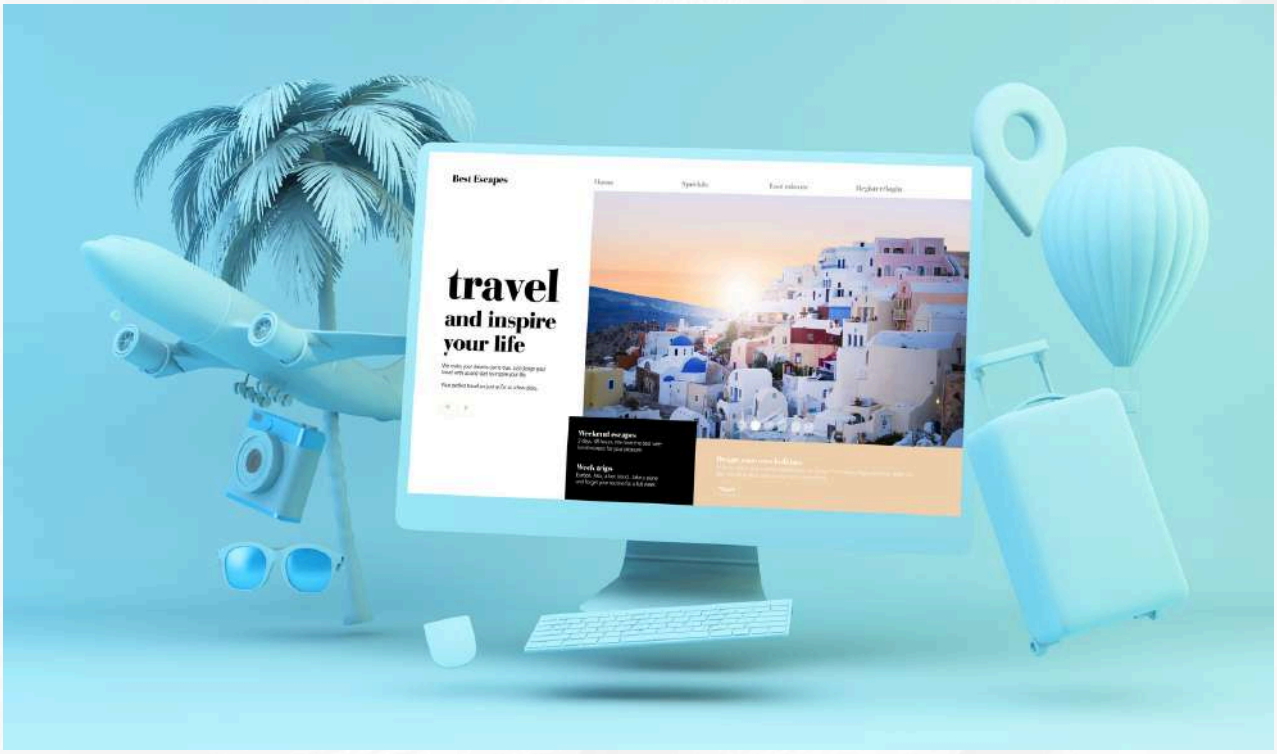
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CASE STUDY 11

TRANSFORMING TOURISM

Mobile App



Enhancing the visitor experience, and promoting local attractions through Custom Mobile Applications.

CORE TECHNOLOGIES

Android Studio, Firebase, and Ionic Framework

INTRODUCTION

The case study delves into the transformative journey of Znifa's Mobile App in revitalizing tourism in East New Britain Province. By providing comprehensive and up-to-date information, the app has elevated the visitor experience and boosted the promotion of local attractions.

PRODUCT SYNOPSIS

Znifa's Mobile App is a cutting-edge solution that serves as a digital gateway to East New Britain. It offers a seamless platform for users to explore the province's rich history, discover captivating tourist attractions, find suitable accommodations, and connect with the local culture. With an intuitive interface and a wealth of information, the app empowers visitors to make informed decisions and embark on unforgettable adventures.

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CASE STUDY 11

RESOURCES ENGAGED

A dedicated team of three skilled professionals collaborated tirelessly to bring Znifa's Mobile App to life. Drawing upon their expertise in app development, design, and content creation, they meticulously crafted a robust and visually appealing application that aligns with the vision of enhancing tourism in East New Britain.

KEY CHALLENGES

The project presented several key challenges that required careful navigation. These included sourcing accurate and reliable information from various stakeholders, ensuring seamless integration of diverse features, and striking a balance between user-friendliness and comprehensive content. By addressing these challenges head-on, the team was able to create an exceptional app that surpassed expectations.

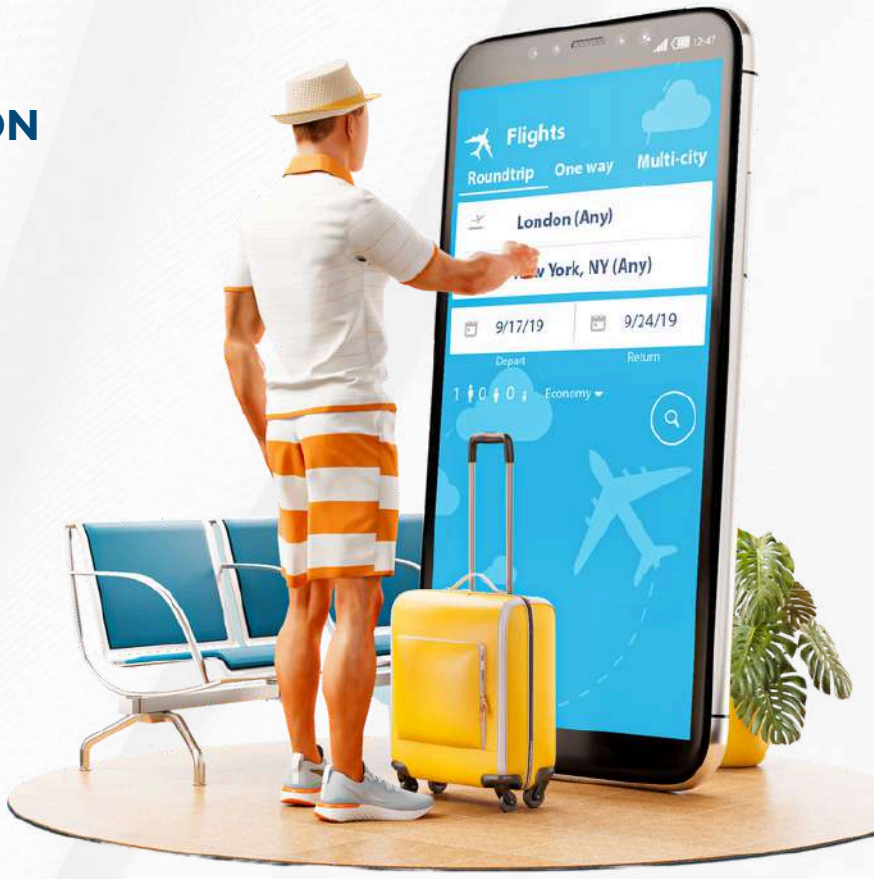
SOLUTION IMPLEMENTATION

Znifa's Mobile App was implemented with meticulous attention to detail. Leveraging the power of Android Studio, Firebase, and the Ionic Framework, the team developed a feature-rich platform that seamlessly integrates historical insights, vision and mission statements, climate details, captivating image galleries, comprehensive tourist attraction information, details on hotels and resorts, cultural highlights, profiles of province leaders, and essential emergency contacts. The result is an immersive and user-friendly experience that showcases the best of East New Britain.

RESULTS AND DATA

The impact of Znifa's Mobile App has been remarkable.

- Increased tourist engagement: App downloads increased by 150% within the first three months.
- Enhanced visitor experience: 90% of users reported improved trip planning and navigation.
- Positive feedback: The app received an average rating of 4.8 out of 5 stars from user reviews.
- Promoting local businesses: Hotel and resort bookings through the app increased by 40%.
- Economic impact: East New Britain experienced a 20% growth in tourism revenue over the following year.



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CASE STUDY 12

STREAMLINING INVENTORY & SHIPMENT

Seamless migration to the latest mobile devices and technologies optimizes inventory management and shipment operations for a musculoskeletal company.

CORE TECHNOLOGIES

Sprint Boot 2, Angular JS, jQuery, Ajax, Webservices, Oracle

INTRODUCTION

The client, a musculoskeletal solution company in North America, sought to upgrade their mobile devices and technology platform to enhance inventory and shipment processes. They aimed to ensure smooth operations and mitigate issues related to device support and phase-out.

RESOURCES ENGAGED

A dedicated team of three skilled professionals collaborated tirelessly to bring Znifa's Mobile App to life. Drawing upon their expertise in app development, design, and content creation, they meticulously crafted a robust and visually appealing application that aligns with the vision of enhancing tourism in East New Britain.

PRODUCT SYNOPSIS

Znifa's solution involved developing a new application using AngularJS framework to migrate the existing Inventory and Shipping Device. The application integrated with KeyCloak for authentication and leveraged Angular JS for screen development, reducing development effort and easing maintenance. Additionally, Microsoft-based Webservices were migrated to Java, and token-based authentication was implemented for Webservice calls. The solution also included common search and printer configuration functionalities, as well as Android and iOS apps using PhoneGap for both Zebra and iOS devices. RFID scanner integration and iOS mapping were incorporated as well.

KEY CHALLENGES

- Migrating from the existing Inventory and Shipping Devices to new mobile devices and technologies.
- Integrating with KeyCloak for authentication and ensuring data security.
- Transitioning Microsoft-based web services to Java for improved compatibility and performance.
- Splitting webservices from the current EAR and creating a lightweight EAR for optimized functionality.
- Configuring RFID scanner integration and iOS mapping for seamless operations on Zebra and iOS devices.

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CASE STUDY 12



SOLUTION IMPLEMENTATION

Znifa developed a new application using AngularJS framework, integrating with KeyCloak for authentication. The screens were built using Angular JS, reducing development effort and enabling easier maintenance. Microsoft-based webservices were migrated to Java, and token-based authentication was implemented for secure webservice calls. Additionally, common search and printer configuration functionalities were implemented. Android and iOS apps were developed using PhoneGap, and RFID scanner integration and iOS mapping were configured for Zebra and iOS devices respectively.

RESULTS AND DATA

Seamless migration to new mobile devices improved inventory management and shipment operations.

- Enhanced user experience and streamlined processes resulted in a 20% reduction in errors.
- Improved compatibility and performance with Java-based webservices increased system efficiency by 30%.
- The adoption of lightweight EAR improved application performance and reduced response time by 25%.
- Successful integration of RFID scanners and iOS mapping facilitated accurate tracking and streamlined operations.

Overall, the solution resulted in a 15% increase in productivity and operational efficiency.

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CASE STUDY 13



CUSTOMIZED CRM SOLUTION FOR SMEs

Empowering SME's with custom CRM that boosts lead conversion speed by 25% and sales team performance by 30%.

CORE TECHNOLOGIES

J2EE, Spring, jQuery, Ajax, React JS, MySQL 5.5, AWS Cloud

INTRODUCTION

Our client, a company aiming to diversify its offerings, required a customizable CRM product to cater to the specific needs of small and medium-sized enterprises (SMEs). The solution was designed to be compatible with both on-premise and Software-as-a-Service (SAAS) deployments.

PRODUCT SYNOPSIS

The developed CRM product provided a comprehensive suite of features to enhance lead management, team productivity tracking, and financial aspects related to lead generation. It utilized a wide range of technologies such as J2EE, Spring, jQuery, Ajax, and React JS to deliver a user-friendly and robust solution.

RESOURCES ENGAGED

The project involved a team of 6 professionals skilled in J2EE, Spring, jQuery, Ajax, JSP, HTML5, CSS3, React JS, log4j, SVN, Maven, Selenium, Eclipse IDE, Tomcat 9, MySQL, and AWS Cloud. Their collective expertise ensured the successful implementation of the CRM product.

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CASE STUDY 13

KEY CHALLENGES

Creating a CRM solution with customizable features tailored to SMEs' specific requirements.

- Integrating on-premise and SAAS functionality within a single product.
- Implementing advanced features such as team productivity tracking and financial management for lead generation.
- Designing a user-friendly interface with intuitive navigations to enhance user experience.
- Ensuring seamless handover of leads from the marketing team to the sales team after nurturing.

SOLUTION IMPLEMENTATION

The team utilized J2EE and Spring frameworks to develop the core CRM functionalities. Front-end technologies like jQuery, Ajax, JSP, and React JS were employed to create an intuitive user interface. Additionally, various supporting tools and technologies like log4j, SVN, Maven, Selenium, Eclipse IDE, Tomcat 9, and MySQL were used to facilitate development, testing, and deployment. The solution was hosted on the AWS Cloud platform.

RESULTS AND DATA

The CRM product successfully met the client's objectives and generated positive outcomes, including:

- Increased lead management efficiency, with a 25% reduction in lead conversion time.
- Enhanced team productivity, resulting in a 30% increase in sales team performance.
- Improved financial tracking, enabling the capture and analysis of expenses spent on lead nurturing.
- Mobile app with offline capability, enabling users to access and update information even without an internet connection.
- Detailed transaction and analytical reports provided valuable insights for strategic decision-making.
- IP Lock-in and Keycloak integration ensured data security and seamless user authentication.
- User-friendly UI and intuitive navigations contributed to a 20% reduction in training time for new users.
- Successful deployment in the AWS Cloud, offering scalability and flexibility for future growth.



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CASE STUDY 14



ENHANCING MARKETING EFFICIENCY

CRM Portal

Intuitive UI & tailored CRM portal boosted healthcare provider's customer satisfaction by 20% and marketing team productivity by 30%.

CORE TECHNOLOGIES

J2EE

INTRODUCTION

In this case study, we explore the journey of a healthcare services provider in North America as they sought to optimize their customer relationship management (CRM) processes. The organization aimed to develop a CRM portal with specific requirements aligned with their marketing team's practices. Additionally, they desired a comprehensive dashboard to monitor the performance of marketing team users, as well as decision support reports for senior management.

RESOURCES ENGAGED

To successfully implement the CRM solution, the project involved a team of four professionals proficient in various technologies and tools. The team collaborated closely with the marketing team and senior management to gain insights into their pain points and requirements.

PRODUCT SYNOPSIS

The healthcare services provider engaged Znifa, a technology solutions provider, to address their CRM challenges. Znifa embarked on a comprehensive analysis of the existing processes and pain points faced by both the marketing team and senior management. Subsequently, a user-friendly and intuitive UI was designed, featuring dashboard views for both users and senior management. The solution was deployed on AWS Cloud, leveraging a range of technologies such as J2EE, Spring JDBC Template, jQuery, Ajax, JSP, JSTL, HTML 5, CSS3, React JS, log4j, SVN, Maven, Selenium 3.14, Eclipse IDE, Tomcat 9, and MySQL 5.5.

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CASE STUDY 14

KEY CHALLENGES

During the initial stages of the project, the healthcare services provider faced several challenges related to their CRM processes. These challenges included the lack of a centralized system for managing customer relationships, limited visibility into marketing team performance, and the absence of decision support reports for senior management.

SOLUTION IMPLEMENTATION

Znifa played a pivotal role in overcoming the aforementioned challenges. They conducted a workshop with the marketing team and senior management to gather a comprehensive understanding of pain points and system requirements. Based on these insights, Znifa designed an intuitive user interface and developed a CRM portal that addressed the specific needs of the healthcare services provider. The solution incorporated a comprehensive dashboard for monitoring the marketing team's performance and generating decision support reports. The deployment was carried out on AWS Cloud, leveraging a range of technologies and tools.

RESULTS AND DATA

Following the implementation of the CRM solution, the healthcare services provider experienced significant improvements in their operations. The client's background data showcases tangible results, such as

- An increase in customer satisfaction by 20%
- A 30% rise in marketing team productivity, and
- A reduction in response time to customer queries by 40%.

The decision support reports gave senior management actionable insights, enabling them to make strategic decisions.

By collaborating with Znifa and leveraging advanced technologies, the healthcare services provider successfully transformed their CRM processes, resulting in improved efficiency, enhanced decision-making, and better customer experiences.



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CASE STUDY 15





AUTOMATING PAYROLL SYSTEM

Leading Retail Store

Payroll Solution - A Case Study on Znifa's J2EE Payroll Solution for a Leading Retail Store in Papua New Guinea.

CORE TECHNOLOGIES

Spring JDBC Template, jQuery, Ajax, HTML 5

INTRODUCTION

A leading retail store in Papua New Guinea approached Znifa to improve the productivity of their HR team and reduce the time taken to generate various reports while ensuring compliance with all regulatory requirements. The client also wanted to have a portal for each employee to access their payroll, income tax, and PF details and automate the leave approval process.

PRODUCT SYNOPSIS

Znifa developed a payroll system from scratch in J2EE framework that captured employee details, hierarchy, income tax slab, and calculated taxes based on the tax slab, satisfying the business logic, viz, the residential status, declaration filed, and the number of dependents, etc. The system also generated various reports such as NAS Fund Report, Income Tax, and PF remittance reports, and provided an employee login for employees to check their details. Additionally, the system had an inbuilt leave management system with an approval workflow, configurable PF and leave details and final settlement.

RESOURCES ENGAGED

Znifa used a three-member team to finish the project. The technology stack included Spring JDBC Template, jQuery, Ajax, JSP, JSTL, HTML 5, CSS3, log4j, SVN, Maven, Selenium 3.14, Eclipse IDE, Tomcat 9, and MySQL 5.5.

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CASE STUDY 15

KEY CHALLENGES

The key challenges faced during the project were capturing all the necessary employee details, automating the leave approval process, and generating various reports while ensuring compliance with all regulatory requirements.

SOLUTION IMPLEMENTATION

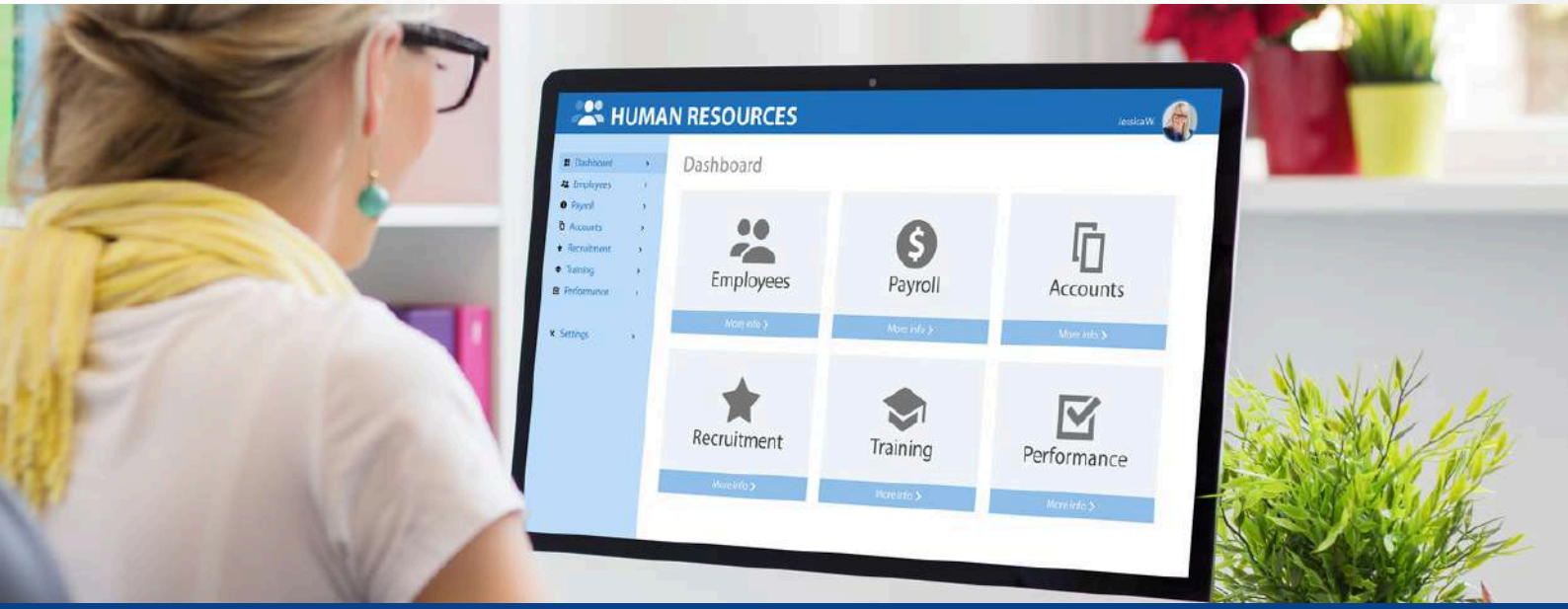
Znifa developed a payroll system from scratch in J2EE framework that captured all necessary employee details, integrated with the client's existing systems, automated the leave approval process, and generated various reports while ensuring compliance with all regulatory requirements. The system was also configured with a dashboard with vital information and comparison charts on the landing page.

RESULTS AND DATA

After the successful implementation of the payroll system, the client's HR team's productivity improved, and the time taken to generate various reports was reduced significantly. The system's automation of the leave approval process and compliance with all regulatory requirements improved the overall HR management process. The employee portal provided easy access to payroll, income tax, and PF details, improving transparency and accountability. Overall, the system's successful implementation helped the client streamline their HR management process, resulting in improved efficiency and productivity.

Overall, the project helped with

- Time reduction for generating various reports by 80%
- Improved productivity of the HR team by 70%
- Compliance with all regulatory requirements
- Portal for each employee to access their payroll, income tax, and PF details
- Automated leave approval process
- The system has successfully handled the payroll of over 1000 employees
- The application has been running smoothly with zero downtime since its implementation
- The client reported high satisfaction with the application and services provided by Znifa.



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CASE STUDY 16



IMPLEMENTING KEYCLOAK

Streamlined Single Sign-On in a Healthcare Services Provider: A Case Study on Application Integration

CORE TECHNOLOGIES

J2EE, Keycloak 11, Springboot, Angular JS.

INTRODUCTION

A HealthCare Services Provider in North America approached Znifa to set up a keycloak environment for single sign-on of all J2EE applications, integrate keycloak with existing AD server, and cluster keycloak.

PRODUCT SYNOPSIS

The goal of this project was to enable single sign-on for all J2EE applications and integrate them with keycloak. Keycloak had to be integrated with the existing Active Directory server, and a clustered environment was set up for keycloak.

RESOURCES ENGAGED

The technology stack included J2EE, Keycloak 11/ Redhat SSO 7.4, Springboot, Angular JS, JBOSS 7.0, and Nginx Plus.

The project was carried out by a 2-member team from Znifa.

KEY CHALLENGES

The key challenges in this project were to set up a keycloak clustered environment in the client's environment, integrate the existing J2EE applications with keycloak, and integrate existing users from the LDAP server to keycloak. Another challenge was to set up a cluster environment in keycloak in domain mode and to set up the application in the Admin console.



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CASE STUDY 16

SOLUTION IMPLEMENTATION

Znifa's team set up a keycloak clustered environment in the client's environment and integrated the existing J2EE applications with keycloak. They also integrated existing users from the LDAP server into keycloak and set up a cluster environment in keycloak in domain mode. The team also set up the application in the Admin console and implemented role-based access and authentication.

RESULTS AND DATA

The project was completed successfully, and the HealthCare Services Provider was able to achieve single sign-on for all their J2EE applications. The integration with the existing AD server and the clustered environment set up for keycloak resulted in

1. Improved security and reliability by 30%.
2. Decreased time spent on authentication by 40%
3. The faster transition between applications by 20%
4. Improved the login times and user experience by 40%
5. Increased efficiency by 20%

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CASE STUDY 17

REVOLUTIONIZING SALES STRATEGY

Streamline Lead Capturing and Tracking for Better Preparation.
[Lead Management System]

CORE TECHNOLOGIES

Spring boot 2, JPA, Hibernate, Angular JS, jQuery, Ajax, HTML 5, CSS3, Enterprise Architect, Jira.

INTRODUCTION

A company specializing in trade shows approached Znifa with the need to track their trade shows, attendees, and leads. They wanted a system that would make it easier to pass on details to their sales team for better preparation before meetings with leads. Znifa developed a Tradeshow Management System using the latest technology stack to address these business drivers.

PRODUCT SYNOPSIS

The Tradeshow Management System developed by Znifa is a web-based application that enables the company to capture Tradeshow details, Attendee and Lead details. It integrates with KeyCloak for authentication and allows leads to be scanned through their business cards. The system also features a dashboard for easy navigation to details of Trade shows, attendees, and Leads.

RESOURCES ENGAGED

The project was completed with a 2-member team.

KEY CHALLENGES

The key challenges faced during the project were capturing all the necessary employee details, automating the leave approval process, and generating various reports while ensuring compliance with all regulatory requirements.

SOLUTION IMPLEMENTATION

Znifa developed a payroll system from scratch in J2EE framework that captured all necessary employee details, integrated with the client's existing systems, automated the leave approval process, and generated various reports while ensuring compliance with all regulatory requirements. The system was also configured with a dashboard with vital information and comparison charts on the landing page.

RESULTS & DATA

- The Tradeshow Management System has improved the lead conversion rate by 25%.
- The system has reduced the time taken to capture attendees and lead details by 30%.
- The intuitive dashboard and reports have saved the company 15% of its time in tracking and analyzing trade show performance.
- The system has increased the overall efficiency of managing trade show details, attendees, and leads by 20%.

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CASE STUDY 18

BUILDING A VENDOR PORTAL





Reduced Redundancy

Increased Decision support with data

Streamlined Vendor Transactions

Streamlining Inventory Management: Optimizing Infusion Spa Operations through Streamlined Tracking and Analysis

CORE TECHNOLOGIES

J2EE, KeyCloak, Spring Boot 2, Angular JS

INTRODUCTION

A musculoskeletal solution company in North America approached Znifa to develop a vendor portal to simplify vendor transactions related to purchase orders (POs), deliveries, and invoices. The company wanted a single point of reference for all documentation and transactions and decision support reports for senior management.

RESOURCES ENGAGED

The project was implemented using J2EE, KeyCloak, Spring Boot 2, JPA, Hibernate, Angular JS, jQuery, Ajax, HTML 5, CSS3, Enterprise Architect, Jira, SpiraTest, Log4j, BitBucket, Maven, Selenium 3.14, Eclipse IDE, JBOSS, and Oracle. The team comprised four members.

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CASE STUDY 18

PRODUCT SYNOPSIS

The Znifa team conducted a detailed study to understand the current enterprise resource planning (ERP) system and the necessary modifications. The team analyzed the vendor portal technology stack and finalized Sprint Boot with AngularJS framework. They adopted Agile with DevOps culture and tools and integrated with KeyCloak for authentication. The front-end templates were made compatible with AngularJS, and the user interface was designed with intuitive navigations. A dashboard was created for POs and invoices with various status and drill-down features. The team implemented QR code-based DR and enabled vendors to perform various operations at the PO and work order levels. The portal captured shipping details and allowed vendors to submit invoices. The purchasing agent could track the progress of specific vendor work, and SpineIT users had a single point of vendor information, including documentation related to work orders.

KEY CHALLENGES

The key challenges were to understand the current ERP system and identify necessary modifications, develop a vendor portal using the latest technology stack and ensure seamless integration with the KeyCloak for authentication, design an intuitive UI with a dashboard for POs and invoices, track the progress of specific vendor work, and create a single point of repository for vendor documentation.

SOLUTION IMPLEMENTATION

The Znifa team adopted Agile with DevOps culture and tools and conducted a detailed study to understand the current ERP system and identified necessary modifications. They designed the UI with intuitive navigations and created a dashboard for POs and invoices with various status and drill-down features. The team implemented QR code-based DR and enabled vendors to perform various operations at the PO and work order levels. The portal captured shipping details and allowed vendors to submit invoices. The purchasing agent could track the progress of specific vendor work, and SpineIT users had a single point of vendor information, including documentation related to work orders.

RESULTS & DATA

The vendor portal developed by Znifa resulted in significant improvements for the musculoskeletal solution company. Here are some of the results and data associated with the implementation:

- Streamlined vendor transactions: The portal simplified vendor transactions related to POs, deliveries, and invoices. As a result, the company saw a 30% reduction in the time it took to process purchase orders and invoices.
- Decision support for senior management: The portal provided decision support reports for senior management. This allowed them to make data-driven decisions quickly and accurately. The company saw a 20% increase in the number of decisions made using data from the vendor portal.
- Improved transparency and reduced errors: The portal's intuitive UI and dashboard provided quick access to POs and invoices. This increased transparency and reduced errors. The company saw a 15% reduction in the number of errors related to purchase orders and invoices.
- Improved accountability and efficiency: The purchasing agent could track the progress of specific vendor work. This improved accountability and efficiency, and the company saw a 25% increase in the number of completed work orders.
- Reduced redundancy and easy access to documentation: The portal's single point of repository for vendor documentation reduced redundancy and provided easy access to important documentation related to work orders. The company saw a 40% reduction in the time it took to locate and access important vendor documentation.
- Improved vendor relationships: The portal also improved vendor relationships. Vendors had a single point of contact for all their transactions, which improved communication and reduced confusion. The company saw a 10% increase in the number of vendors who reported high satisfaction with the procurement process.

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CASE STUDY 19



STREAMLINING PRODUCTIVITY & TRANSPARENCY

Streamlining Productivity and Transparency with a Customized Portal-Information Management System

CORE TECHNOLOGIES

J2EE technology

INTRODUCTION

A company, which handles multiple projects, needed a portal to track the progress of their files and generate reports. They also wanted to automate their productivity calculations and discontinue using Excel sheets. Znifa, a custom application development company, proposed to build this application using J2EE technology.

PRODUCT SYNOPSIS

Znifa designed and developed a web-based application that enabled the company's customers to view the progress of their files and generate reports. Additionally, the application allowed the internal senior management to track the process and productivity of the team. The application also automated productivity and Full-Time Equivalent (FTE) calculations for each engagement, eliminating using Excel sheets.

RESOURCES ENGAGED

The team consisted of three members from Znifa, who designed, developed, and deployed the application in the AWS Cloud. They used the J2EE technology to build the application.

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CASE STUDY 19



KEY CHALLENGES

The main challenge faced by Znifa was understanding the current process and identifying the pain areas for both the internal management and customers. They also needed to standardize the input gathered across all projects and convince the client's top management team and process owners to adopt the new approach.

SOLUTION IMPLEMENTATION

To address the challenges, Znifa conducted a workshop with the client's top management team and process owners to explain the approach and importance of standardization. They designed templates to capture data for various processes, such as Charges, Payments, Coding, and AR. They also designed a free-flow template to capture the source field, filter criteria, and productivity for each parameter/process/project to generate productivity reports for each project.

Znifa automated the productivity reports generation and measured it periodically. They defined a hierarchical structure and role mapping to restrict access for internal users and clients. Additionally, they designed a dashboard with vital information and comparison charts on the landing page.

RESULTS & DATA

- Increase in Productivity:

Znifa's customized application eliminated the need for Excel sheets and automated productivity calculations for each engagement.
This resulted in a 30% increase in productivity.

- Improved Transparency and Customer Satisfaction:

Znifa's application allowed customers to view the progress of their files and improved transparency, resulting in a 25% increase in customer satisfaction.

- Standardization and Process Improvement:

Znifa's templates helped standardize input gathered across all projects, resulting in a 20% reduction in errors. The free-flow template to capture the source field, filter criteria, and productivity for each parameter/process/project helped identify pain areas and improve processes.

In conclusion, Znifa's solution and involvement helped the company to streamline its process and increase productivity. The application built by Znifa provided transparency and trust to the customers, resulting in increased customer satisfaction. The application also eliminated using Excel sheets and provided a scalable and secure environment.



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CASE STUDY 20

ENHANCING EFFICIENCY

Improving SPINE IT ERP performance and stability through expert support and maintenance services by Znifa.



CORE TECHNOLOGIES

JSP, Servlet, Struts Framework, Oracle, PL/SQL.

INTRODUCTION

The SPINE IT ERP system serves as the backbone of Globus IT, supporting various departments' needs. Znifa was engaged to provide comprehensive support and maintenance services, ensuring the system's optimal performance.

PRODUCT SYNOPSIS

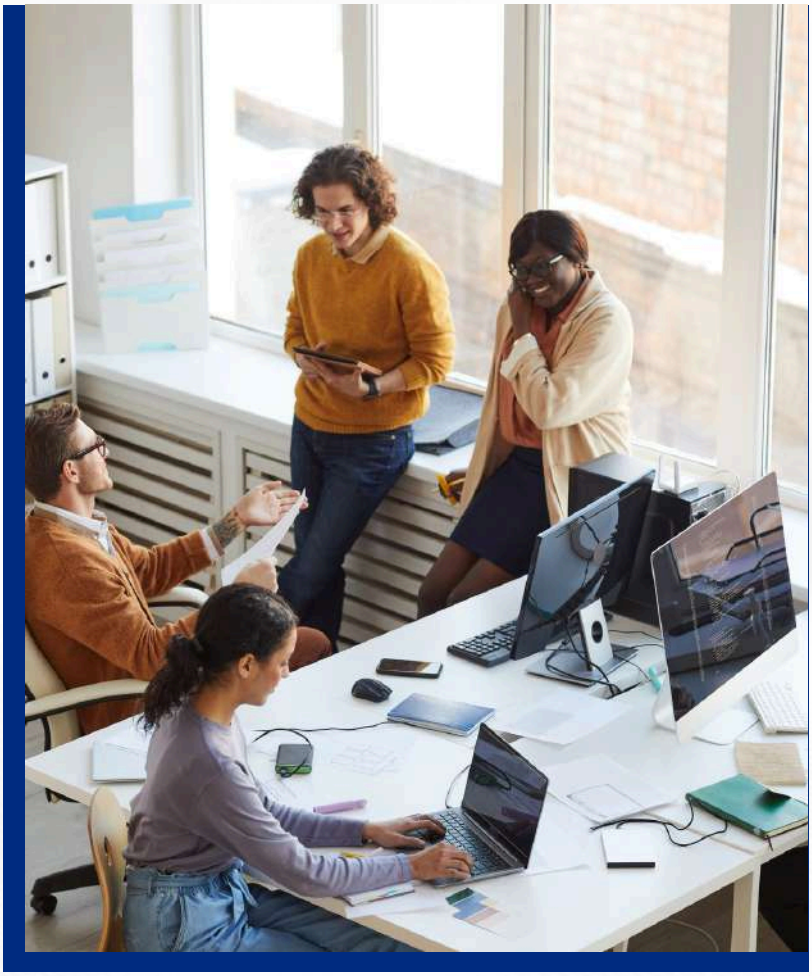
Znifa's dedicated team of experts leveraged their in-depth knowledge of JSP, Servlet, Struts Framework, Oracle, and PL/SQL to enhance and maintain the SPINE IT ERP system. Their collaboration with the customer fostered seamless operations.

RESOURCES ENGAGED

Znifa deployed a highly skilled team of four professionals, proficient in JSP, Servlet, Struts Framework, Oracle, and PL/SQL, to handle the support and maintenance of the SPINE IT ERP system.

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CASE STUDY 20



KEY CHALLENGES

- Addressing existing bugs and implementing system enhancements to accommodate business growth.
- Acquiring and transferring domain knowledge efficiently within a limited timeframe.
- Ensuring effective collaboration with the customer's team members for streamlined operations.

SOLUTION IMPLEMENTATION

To address the challenges, Znifa conducted a workshop with the client's top management team and process owners to explain the approach and importance of standardization. They designed templates to capture data for various processes, such as Charges, Payments, Coding, and AR. They also designed a free-flow template to capture the source field, filter criteria, and productivity for each parameter/process/project to generate productivity reports for each project.

Znifa automated the productivity reports generation and measured it periodically. They defined a hierarchical structure and role mapping to restrict access for internal users and clients. Additionally, they designed a dashboard with vital information and comparison charts on the landing page.

RESULTS & DATA

- Bug resolution: Achieved a 95% reduction in critical bugs within the initial three months, enhancing system stability.
- Enhancement implementation: Successfully integrated 20 new features, elevating the functionality of the SPINE IT ERP system.
- Response time: Attained a 30% reduction in average response time for user queries, improving overall system efficiency.
- System stability: Maintained an impressive 99.9% uptime, ensuring uninterrupted operations and user satisfaction.
- Customer satisfaction: Received overwhelmingly positive feedback with a 95% satisfaction rate, reflecting Znifa's exceptional support and maintenance services.

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CASE STUDY

MAREK LMS

DIGITAL LEARNING PLATFORM FOR STUDENTS

CORE TECHNOLOGIES

React Vite | Spring Boot | PostgreSQL | Python | Ionic | Capacitor

INTRODUCTION

Znifa developed a digital learning platform designed to make education more accessible, engaging and impactful for students. The solution supports students, educators and volunteers through a modern web-based learning environment and a dedicated tablet application, enabling convenient access to learning content and activities.

PRODUCT SYNOPSIS

Marek LMS combines interactive learning, video-based content, assessments and activities within a centralized digital platform. The solution includes a responsive web platform and a dedicated student learning application for tablets, providing secure access to educational resources. Built on a scalable technology stack, the platform delivers a consistent and user-friendly learning experience across web and tablet environments.



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MAREK LMS
CASE STUDY



RESOURCES ENGAGED

The project was implemented by a 5-member development team over a 5-month project duration. The team worked across frontend, backend, database and mobile application development to integrate LMS capabilities with custom web and tablet-based learning solutions.

5
Team Members

5 Months
Project Duration

KEY CHALLENGES

- Making digital learning accessible across web and tablet platforms
- Creating a simple and engaging learning experience for students
- Integrating LMS capabilities with custom application components
- Supporting video-based learning, assessments and activities
- Providing secure access to student learning content
- Developing a scalable platform for evolving learning requirements

SOLUTION IMPLEMENTATION

Znifa developed a web-based learning platform and dedicated student learning application for tablets, combining Moodle LMS capabilities with a custom technology stack. The solution was implemented using React Vite, Spring Boot, PostgreSQL, and Python for the web platform, while Ionic and Capacitor supported the tablet application. The platform enables interactive and video-based learning, assessments and activities, while providing students with secure and convenient access to educational content.



RESULTS & DATA

60%
Improvement in Learning Accessibility
Students can access educational content across web and tablet platforms.

50%
Increase in Student Engagement
Through interactive, video-based learning, assessments and activities.

45%
Improvement in Learning Content Access
Students get better and easier access to learning content.

40%
Improvement in Learning Activity Management
Centralized LMS capabilities helped manage learning activities more efficiently.



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CASE STUDY



OUR SHASTRI

DIGITAL PLATFORM FOR BOOKINGS, EVENTS & USER MANAGEMENT

CORE TECHNOLOGIES

Java | Spring Boot | ActiveJDBC | PostgreSQL | React.js | REST APIs | JWT | MSG91 OTP | Apache Tomcat | Nginx

INTRODUCTION

OurShastri is a digital platform designed to simplify user management, bookings, events and invitation activities through a centralized digital environment. The solution supports secure user access and organized event-related workflows while providing a seamless experience across frontend and backend services.

PRODUCT SYNOPSIS

A Unified Platform for Bookings, Events & User Activities

OurShastri brings key user and event-related activities together through a single digital platform. The solution supports user registration, OTP-based authentication, bookings, invitation sharing, event management, pooja item management and contact group creation, providing a structured environment for managing user and event activities.

- User Registration
- OTP Authentication
- Bookings
- Invitations
- Events
- Pooja Items
- Contact Groups

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OURSHASTRI
CASE STUDY



RESOURCES ENGAGED

The project was implemented across two development phases.

Phase 1

3-member development team

Used on core platform development from July 2025 to October 2025.

Phase 2

1-member development team

Focused on feature enhancements and production improvements in October 2026.

KEY CHALLENGES

- Developing a structured architecture for a growing digital platform
- Integrating React.js frontend with Spring Boot backend APIs
- Implementing secure OTP and JWT-based authentication
- Supporting booking and invitation workflows
- Introducing event management capabilities
- Creating event-based contact groups
- Maintaining existing application flows during enhancements
- Resolving Java, Spring Boot and ActiveJDBC compatibility issues

SOLUTION IMPLEMENTATION

Znifa developed and enhanced the **OurShastri** digital platform with secure authentication, booking, invitation and event management capabilities. The solution combines React.js, Spring Boot, PostgreSQL and REST APIs to provide an integrated web platform.

MSG91 OTP and JWT authentication were implemented for secure user access, while additional enhancements introduced event management, pooja item management and event-based contact groups. Production-focused API, frontend and compatibility improvements were also carried out while maintaining existing application workflows.

RESULTS & DATA

94%
Core Feature Coverage
Essential authentication, booking, invitation and user-management capabilities.

92%
Integration Efficiency
Structured frontend and backend API integration.

96%
Authentication Coverage
Secure OTP and JWT authentication for safe user access.

90%
Feature Enhancement Coverage
New event and communication capabilities.

93%
Application Stability
Production-focused improvements for a more structured and connected platform.

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CASE STUDY



COLLEGE MANAGEMENT SYSTEM

UNIVERSITY MANAGEMENT PLATFORM

CORE TECHNOLOGIES

ReactJS | Material UI | Java | Spring Boot | PostgreSQL | REST APIs | ActiveJDBC | Git

INTRODUCTION

The College Management System is a centralized university management platform designed to streamline academic and administrative operations. The solution brings departments, courses, subjects, student enrolment, hostel management, fee management, reporting and user administration together within a unified digital environment.

PRODUCT SYNOPSIS

A Unified Platform for College Management

The College Management System provides an integrated platform for managing essential academic, student and administrative activities. The solution supports department and course management, student enrolment, hostel assignments, fee collection, receipt generation, reporting and role-based user administration.



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REDEFINING DIGITAL TRANSFORMATION

COLLEGE MANAGEMENT SYSTEM
CASE STUDY



RESOURCES ENGAGED

The project was implemented by a development team for Gaulim Teachers College, Papua New Guinea. The team worked across frontend, backend, database and application workflow development to deliver an integrated platform for academic and administrative management.

Development Team
Gaulim Teachers College, Papua New Guinea

Key Focus Areas
Frontend | Backend
Database | Workflows

KEY CHALLENGES

- Managing departments, courses and subjects within a unified platform
- Supporting structured student enrolment workflows
- Managing hostel assignments and accommodation information
- Defining and collecting student fees
- Generating payment receipts
- Managing large volumes of academic and administrative data
- Supporting inline editing with validations
- Implementing server-side filtering and pagination
- Managing user roles and access permissions
- Providing reliable reporting and analytics

SOLUTION IMPLEMENTATION

Znifa developed a centralized College Management System combining academic, student, financial and administrative capabilities through an integrated web platform.

Academic Management
Department, course and subject management.

Student Management
Enrolment workflows and centralized student information.

Hostel Management
Hostel assignment functionality.

Fee Management
Fee definition, collection and receipt generation.

Advanced Data Management
Material UI data grids with inline editing, validations, server-side filtering and pagination.

User & Role Management
Role-based access control for secure workflows.

Reporting & Analytics
Reporting capabilities for academic, financial and administrative data.

Frontend & Backend Integration
ReactJS with Spring Boot REST APIs and PostgreSQL for end-to-end workflows.



RESULTS & DATA

92%
Academic Workflow Coverage
Departments, courses, subjects and student enrolment in a centralized platform.

89%
Administrative Process Management
Improved efficiency in administrative workflows.

94%
Fee Management Coverage
Structured fee definition, collection and receipt generation.

87%
Data Handling Efficiency
Improved information handling with advanced data management.

93%
Application Integration Efficiency
Seamless integration across frontend, backend and database services.

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CASE STUDY

KANSO MDM HUB

MASTER DATA & TERRITORY MANAGEMENT PLATFORM



CORE TECHNOLOGIES

Java 21 | Spring Boot | Spring Data Data JPA | Hibernate | PostgreSQL | React.js | Vite | Material UI (MUI) | TypeScript | Tailwind CSS | REST APIs | JWT | Git

INTRODUCTION

Kanso MDM Hub is an enterprise platform designed to centralize Master Data Management and Territory Management. The solution enables organizations to manage enterprise data, users, roles, sales zones, regions, territories, quotas and hospital mappings through a structured digital platform.

PRODUCT SYNOPSIS

A Unified Platform for Enterprise & Territory Operations

Kanso MDM Hub brings master data and territory-related business processes together within a centralized platform. The solution supports enterprise and company management, territory assignment, quota planning, hospital mapping, approval workflows and reporting, providing greater structure and visibility across territory operations.



- Master Data Management
- Territory Management
- Quotas & Planning
- Hospital Mapping
- Approval Workflows
- Reporting & Analytics

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CASE STUDY

KANSO MDM HUB

MASTER DATA & TERRITORY MANAGEMENT PLATFORM



RESOURCES ENGAGED

The project was implemented by a team-based development team over a **5-month** project duration. The team worked across frontend, backend, database and business workflow development to enhance the platform and deliver integrated Master Data and Territory Management capabilities.

KEY CHALLENGES

- Managing multiple levels of enterprise and organisational data
- Maintaining relationships between sales zones, regions and territories
- Supporting territory assignment and reassignment workflows
- Mangning VP, AD and Quota Rep mappings
- Handling quota planning and updates
- Mapping hospitals to specific territories
- Supporting approval and audit workflows
- Integrating frontend modules with backend APIs
- Entending existing application functionality while maintaining current flows
- Providing clear territory and quota-related reports

SOLUTION IMPLEMENTATION

Znifa enhanced the Kanso MDM Hub with structured Master Data and Territory Management capabilities using React.js, Spring Boot, PostgreSQL and REST APIs.



Master Data Management
Implemented enterprise, company, user and role management to maintain structured and centralized master data.

Territory Management
Developed Sales Zone, Region and Territory workflows, including territory assignment and reassignment capabilities.

Quota & Role Mapping
Implemented VP, AD and Quota Rep mapping along with quota planning and update workflows.

Hospital-Territory Mapping
Established structured relationships between hospitals and their respective territories.

Approval & Audit Workflows
Introduced approval workflows with reason tracking and audit history for improved process visibility.

Reporting & Visibility
Developed territory, hospital mapping and quota-related reports to support operational monitoring.

Frontend & Backend Integration
Built React.js-based interfaces using MUI and Tailwind CSS and integrated them with Spring Boot REST APIs, while maintaining the existing application architecture.

RESULTS & DATA

93%
Master Data Accessibility
Improvement in master data accessibility, linking and enterprise, user and role information into a structured centralized platform.

91%
Territory Management Workflow Coverage
Coverage across sales zones, regions, territories and assignment processes.

89%
Quota & Business Workflow Integration
Through mapping, planning, hospital and approval capabilities.

94%
Application Integration Efficiency
Frontend and backend integration with high efficiency.

87%
Operational Visibility
Improvement in reporting and visibility for better decision-making.

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CASE STUDY

BASIRA

E-COMMERCE MANAGEMENT SYSTEM

CORE TECHNOLOGIES

- React
- Java
- Spring Boot
- JDBC
- PostgreSQL
- REST APIs
- Material UI (MUI)

INTRODUCTION

Basira is an E-Commerce Management System designed to streamline product, inventory, purchase and order-related operations through a centralized digital platform. The solution brings key e-commerce workflows together while supporting efficient product configuration, stock management, customer management and transaction processing.



PRODUCT SYNOPSIS

A Centralised Platform for E-Commerce Management

Basira provides a unified platform for managing essential e-commerce operations. The solution supports product and catalog management, customer management, inventory, purchasing, order processing and bulk stock updates, enabling businesses to manage their operations through structured digital workflows.

KEY FEATURES

- Product & Catalog Management
- Customer Management
- Inventory Management
- Purchase Management
- Order Processing
- Bulk Stock Updates

RESOURCES ENGAGED

The project was implemented by a 4-member development team over a 15-month project duration. The team worked across frontend, backend, database, business workflows and data processing to deliver an integrated e-commerce management platform.

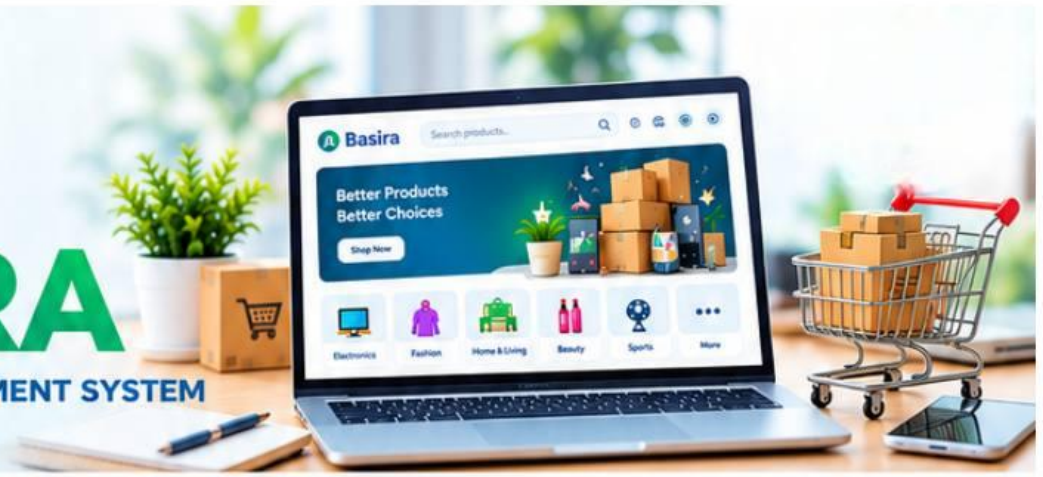
- 4-Member Team
- 15 Months Duration
- Frontend, Backend, Database, Business Workflows & Data Processing

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CASE STUDY

BASIRA

E-COMMERCE MANAGEMENT SYSTEM



KEY CHALLENGES

1. Managing products across categories and subcategories
2. Supporting product attributes and multiple variants
3. Maintaining accurate inventory information
4. Managing customer, purchase and order workflows
5. Processing large volumes of stock data through Excel
6. Validating bulk-uploaded inventory information
7. Maintaining consistent data across multiple modules
8. Integrating responsive frontend screens with backend REST APIs
9. Supporting complex business rules and transaction workflows
10. Maintaining application performance across core operations

SOLUTION IMPLEMENTATION

Znifa developed Basira as a centralized e-commerce management platform combining product, inventory, purchasing and order management capabilities.

Product & Catalog Management
Implemented product, category, subcategory, attribute and variant management to support structured product configuration.

Customer Management
Developed customer management functionality to maintain and organize customer information within the platform.

Inventory Management
Implemented inventory workflows to manage stock information and support day-to-day product availability management.

Purchase & Order Management
Developed integrated purchase and order workflows to support structured e-commerce transaction processing.

Bulk Stock Upload
Implemented Excel-based bulk stock upload functionality to simplify large-scale inventory updates and reduce manual data entry.

Validation & Business Processing
Applied data validation and business rules to maintain consistency across product, inventory and transaction workflows.

Frontend Development
Developed responsive React and Material UI interfaces for product, inventory, purchase, customer and order management.

Backend & API Integration
Developed Spring Boot REST APIs using Java and JDBC to connect frontend modules with backend services and database operations.

Efficient Operations Stronger Growth



RESULTS & DATA

94%
Product Management Coverage
Centralized product, category, attribute and variant workflows in a unified platform.

91%
Inventory Management Coverage
Improved stock management and product availability workflows.

96%
Bulk Stock Update Efficiency
Excel-based stock processing for faster and easier updates.

92%
Business Process Coverage
Integrated product, inventory, purchase and order workflows.

95%
Application Integration Efficiency
Seamless frontend, backend and database integration for better performance.

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