VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Develop a full safety compliance system for construction sites, with mobile and web apps, to effectively ensure, monitor, and report safety measures in commercial and residential projects.

CASE STUDY

Scope

- Develop a mobile application for safety engineers, managers, and auditors to capture and record safety norms at construction sites.
- Create a web application for managers to generate MIS reports and for admins to configure system settings, manage user roles, and update safety parameters. .

Value Added

- Digitized safety processes, boosting efficiency and accuracy in compliance recording.
- Implemented a robust system for training, visitor tracking, and incident recording.
- Streamlined site management tasks with intuitive interfaces for checklists and work permits.
- Facilitated detailed MIS reports for informed decision-making on safety compliance.
- Enhanced accountability and compliance visibility with documented evidence of safety measures.

Solution

- ✓ Developed cross-platform mobile apps (Android & iOS) for on-site safety compliance data capture.

- ✓ Gathered user requirements for engineers, managers, and visitors, enhancing functionality.

- ✓ Regularly updated technology and software to align with changing business needs.

- ✓ Created a web module for project management, checklist creation, work permits, training, labor details, and contractor management.

- ✓ Integrated a comprehensive MIS reporting system for senior management to oversee multiple projects and access detailed insights.

Frameworks & Tools

Flutter

node JS

mongoDB

React JS

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Develop a post-sales CRM platform for a Top Real Estate Brand to enhance collaboration between the internal team, property owners, and tenants, and to improve post-sales customer engagement and support.
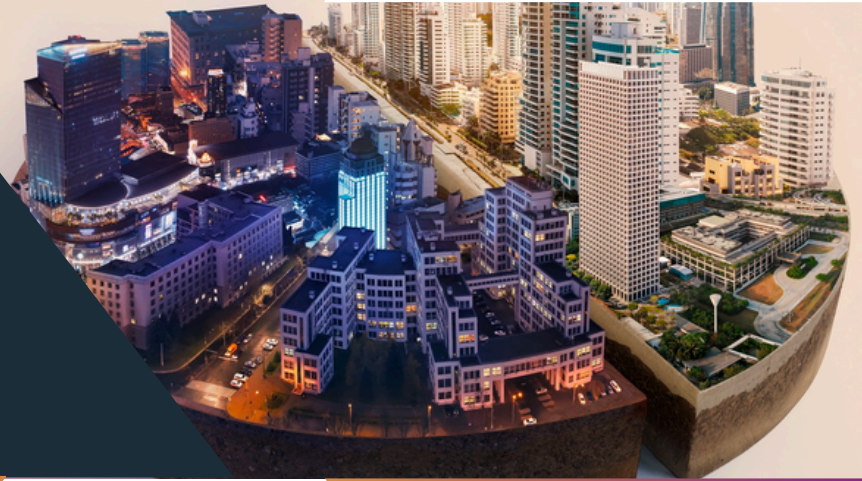
CASE STUDY

Scope

- Research and map out customer touchpoints post-property sales to design a CRM application tailored to these interactions.
- Conduct end-to-end product development from initial understanding to full deployment of the CRM system.

Value Added

- Implemented detailed post-sales process stages for targeted customer support and engagement at each phase of the customer lifecycle.
- Transitioned from on-premises to cloud setup, enhancing system scalability and reliability.
- Strategically allocated features for optimal mobile and web app performance, ultimately enhancing user experience.
- Saved development time and costs by avoiding duplication of work and focusing on platform-specific functionalities.

Solution

- ✓ Collaborated closely with the client's real estate team to thoroughly understand post-sales activities and map the customer journey across three stages: Booking to Possession, Possession, and Warranty Period.

- ✓ Developed comprehensive flows and wireframes, followed by UI/UX design, system architecture development, and system implementation.

- ✓ Migrated from on-premises infrastructure to cloud computing with AWS to enhance scalability and performance.

- ✓ Optimized development by differentiating functionalities between mobile (Flutter) and web platforms (AngularJS, React), which streamlined operations and reduced development time and costs.

Frameworks & Tools

Flutter   ANGULARJS

node JS   mongoDB

React JS   aws

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Create an exam management system for candidate registration, profiles, applications, and updates. while also allowing admin control over exam creation, eligibility criteria, and document verification.

CASE STUDY

Scope

- Enable candidates to create detailed profiles, including educational and professional backgrounds, and apply for eligible exams.
- Automate the eligibility verification process for applications using a JSON-based eligibility engine.
- Incorporate a robust payment gateway for exam fee transactions.
- Allow admins to manage exams, and eligibility criteria, upload documents, and handle user and role management.

Value Added

- Streamlined eligibility verification with a JSON-based engine, improving accuracy and speed.
- Enhanced candidate satisfaction with an extensive feature set and top-notch performance.
- Enabled seamless financial transactions with a flexible payment gateway integration.
- Boosted operational efficiency with Docker and Jenkins for deployment and continuous integration.

Solution

- ✓ Developed a web application utilizing Spring Boot for backend operations, React for the frontend interface, MySQL for database management, and Minio for file storage.

- ✓ Implemented a new eligibility engine that allows admins to define exam eligibility criteria in a JSON format, automating the eligibility checks and providing instant feedback on non-eligibility.

- ✓ Integrated a payment gateway that supports multiple payment options and allows selection at runtime, enhancing the application's financial transaction capabilities.

- ✓ Used Minio, an S3-compatible storage service, to manage a large volume of files efficiently, essential for handling numerous candidate documents and admin uploads.

Frameworks & Tools

Redux   spring

React JS   Bootstrap

docker   MySQL

Jenkins   MINIO

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

VAST collaborated with a US startup to create a Low-cost SaaS platform that simplifies and accelerates custom application development. Their full involvement ensured a solution that surpassed client expectations.

CASE STUDY

Scope

- Streamline workflows with intuitive tools for rapid app development, deployment, and automation.
- Foster collaboration with a centralized platform for knowledge sharing and communication.
- Drive efficiency by automating manual processes and optimizing resource usage.
- Empower decision-makers with real-time insights and data-driven analytics.
- Promote innovation with a flexible platform for adapting to changing business needs.
- Improve user experience through an intuitive interface for effective platform utilization.

Value Added

- Provided strategic guidance on roadmap and architecture using industry insights.
- Engineered a tailored Low-Code SaaS platform with innovative technology.
- Ensured alignment through regular communication and agile practices.
- Adopted cloud-native, microservices, and containerization for enhanced scalability and security.
- Addressed challenges with innovative solutions for a robust outcome.
- Offered ongoing maintenance and enhancements for continuous innovation.

Solution

- ✓ VAST developed 'the Platform', a cutting-edge Low-Code SaaS platform, simplifying traditional knowledge management.

- ✓ Platform enables rapid app development and tailored solutions without extensive coding.

- ✓ Facilitates seamless integration and coordination across business functions, fostering collaboration and efficiency.

- ✓ Utilizes cloud-native architecture, microservices, and containerization for scalability, reliability, and security.

- ✓ Platform's intuitive UI and workflow automation revolutionize knowledge management, enhancing information sharing and decision-making.

Frameworks & Tools

React Native   mongoDB

React JS   Vue.JS

JAVA SCRIPT   docker

aws   kubernetes

Domain Outsource Product Development

Location India

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Empower local merchants in the digital era and boost the local economy. Create IT Entrepreneurs in small towns in India through a unique franchisee model

CASE STUDY

Scope

- Develop an end-to-end platform that covers all stages of the product lifecycle, from concept to UI/UX design, implementation, support, and maintenance

- Provide three distinct interfaces: a web interface, a business app, and a shopping app.
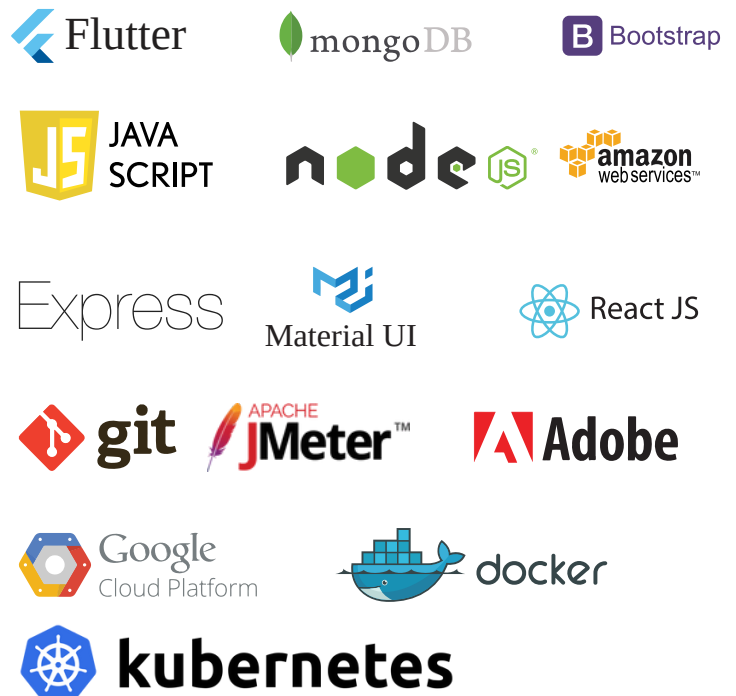
Value Added

- Advanced technical skills shaped Xirify, keeping it competitive with current trends.
- Flexibility in scope management enabled rapid responses and continuous improvement
- Innovative solutions enhanced Xirify's functionality and market success.
- The architecture of Xirify is scalable, supporting effective adaptation and growth.

Solution

✓ The web interface was developed to handle setup, configurations, and support for merchants and shoppers, featuring inventory management, POS, and delivery partner integrations.

✓ The Xirify for Business app allows merchants to manage their stores, handle orders, and oversee campaigns and loyalty programs.

✓ The Xirify Shopping app helps shoppers discover merchants and place orders, boosting local business visibility and sales.

✓ A modular and customizable platform was implemented, tailored to merchant categories and offerings, including online payment options and robust security.

Frameworks & Tools

Flutter   mongoDB   Bootstrap

JAVA SCRIPT   node   amazon web services

Express   Material UI   React JS

git   APACHE JMeter™   Adobe

Google Cloud Platform   docker

kubernetes

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Implement a system to retain highly talented employees through customized development programs to create a future-ready workforce and increase the Human Capital Index.

CASE STUDY

Scope

- Develop a central platform to track employee skills, experiences, and certifications
- Provide tools to identify and select high-potential employees for development programs
- Enable employees to select development paths from career roadmaps aligned with company goals
- Allow mentors to customize annual development programs based on chosen learning paths for teams or individuals.

Value Added

- The platform boosts talent retention through tailored development paths that increase employee satisfaction
- Leaders can effectively monitor and analyze skills to better plan training initiatives
- The system aligns employee development with organizational goals, enhancing the Human Capital Index.
- The platform offers extensive customization in development programs to support individual growth.

Solution

- ✓ Develop a centralized platform to manage and track employee skills, experiences, projects, and certifications.

- ✓ Provide tools for talent identification to select high-potential employees for development programs.

- ✓ Allow employees to choose their development paths based on career roadmaps aligned with company objectives in technical and soft skills.

- ✓ Enable mentors to customize a 1-year development program for individuals or teams based on their selected learning paths.

Frameworks & Tools

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Digitalization for practicing chartered accountants to automate accounting processes, manage and monitor team efficiency, and improve client experience through a white-labeled mobile app.

CASE STUDY

Scope

- Eliminate communication overheads between clients and team members
- Support business growth by transitioning to a digital, app-based operation
- Develop a highly expansive and scalable solution that accommodates even remote clients swiftly.

Value Added

- Worked with clients to understand the domain and provided specific insights to improve the team's tech skills
- Guided team toward becoming self-sufficient.

Solution

- ✓ Developed a comprehensive digital platform for chartered accountants to automate and manage accounting processes.

- ✓ Created a white-labeled mobile app to improve client engagement and service delivery.

- ✓ Provided a scalable architecture to support business expansion and remote client management.

Frameworks & Tools

Angular   node JS

mongoDB   Flutter

Express

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Enhance robotic software for robotic arm control and EV charging operations with web server capabilities, enabling communication via a REST interface with other system applications.

CASE STUDY

Scope

- Understand the communication architecture
- Define JSON structure for data exchange
- Publishing the messages to other threads inside the application

Value Added

- **Remote Operation Capability:** Enabled real-time remote execution of robot protocols via REST APIs, facilitating development and testing from remote locations.
- **Technology Agnosticism and Scalability**: Delivered a language-agnostic and scalable solution, ensuring compatibility and ease of integration within diverse systems.
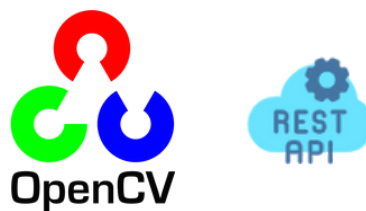
Solution

- ✓ Implemented a web server within a thread in the robotic software to handle internal and external communication.

- ✓ Designed and implemented REST endpoints to receive commands from client applications and provide responses.

- ✓ Enabled modifications of robot operation parameters and provided status updates through these endpoints.

- ✓ Established a JSON-based data exchange format and utilized Linux message queues to pass commands to other threads for execution.

Frameworks & Tools

C   C++   Linux

OpenCV   REST API

python™

Domain Outsource Product Development

Location Australia

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

To build a platform that facilitates an easy, fraud-free & worthy engagement between Buyers & Sellers of 'Used Cars' in the Australian Car Resale market

CASE STUDY

Scope

- Develop a marketplace application for buyers and sellers of used cars
- Manage catalog and profiles for sellers and buyers
- Integrate with third-party databases such as PPSR and GLASS
- Implement radius-based searches using geographic coordinates.

Value Added

- **Enhanced User Journey:** Provided thoughts for tracking the buyer and seller journey, enhancing user experience and engagement.
- **Business Model Innovation:** Suggested approaches for designing plans and feature-based pricing to enhance monetization strategies
- **Mobile Accessibility:** Enabled the design of a mobile app platform, expanding the service's accessibility and usability in a B2C environment.

Solution

- ✓ Designed and deployed the user experience and architecture on AWS.

- ✓ Integrated the platform with Cloudinary for image management and Stripe for payment processing.

- ✓ Incorporated VIN verification and real-time messaging systems between buyers and sellers.

- ✓ Ensured seamless integration with PPSR and GLASS databases for vehicle history and valuation.

Frameworks & Tools

ANGULARJS by Google

node JS

mongoDB

amazon web services™

PPSR Cloud

linode

stripe

API

Cloudinary

SciGlass

Domain Outsource Product Development

Location Dubai

Objective

Mobile-based eCommerce application to purchase goods and groceries online

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CASE STUDY

Scope

- Implement a mobile app that consumes APIs developed by the client's team
- Design mobile app flow, catalog management, and push notification integration using Firebase
- Enhance user experience with local storage for improved application performance.
- Implement a checkout process with pre-checkout authentication.

Solution

- ✓ Designed and developed the mobile app leveraging modern frameworks and technologies.

- ✓ Tested and integrated APIs provided by the client's backend team for functionality including catalog management.

- ✓ Utilized file upload for catalog management within the app.

Value Added

- **Mobile Optimization:** Focused on creating a user-friendly mobile interface and experience, ensuring smooth navigation and interaction.
- **Enhanced Performance:** Implemented local storage solutions to speed up the application performance, reducing load times and improving user satisfaction.
- **Secure Transactions:** Developed a robust authentication process for checkout to ensure transaction security and user confidence.

Frameworks & Tools

Angular

REST API

CORDOVA

Firebase

ionic

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

To build an online platform that connects world-class US doctors with patients around the world, using technology in a secure and convenient way

CASE STUDY

Scope

- Implement B2C requirements for managing doctor and patient interactions
- Conduct end-to-end development and implementation of the solution.
- Manage project planning and Agile execution
- Ensure HIPAA compliance for patient reports and health data management.

Value Added

- New features like referrals and real-time chat were introduced to enhance patient and doctor interaction.
- Real-time note-taking capabilities during consultations were added to improve the platform's utility and efficiency
- An optimized solution for managing appointment calendars was developed to simplify scheduling and rescheduling.

Solution

- ✓ Developed a comprehensive B2C solution for patient and doctor onboarding, profile management, appointment management, and communication management.

- ✓ Designed, developed, and deployed the solution on AWS.

- ✓ Implemented data encryption and enhanced API security to protect sensitive health information.

- ✓ Integrated third-party services, including Stripe for payment processing and WebRTC for secure video calling.

Frameworks & Tools

node JS   amazon web services™

Express   mongoDB

git   B Bootstrap

ANGULARJS by Google   CSS3

HTML5   Jenkins

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Objective

To build a PBM (Pharmacy Benefit Manager) Claim Adjudication System that would adjudicate the prescription claims submitted by pharmacies through pharmacy exchanges.

CASE STUDY

Scope

- Develop a rule engine to process claims and determine outcomes—either accepted or rejected, with reasons provided for rejections
- Design a messaging queue to manage the flow of claim messages in and out of the system
- Build a user interface for claims management.

Value Added

- A claims processing engine was engineered to efficiently handle high volumes of data
- A comparative analysis was provided to select the optimal framework and tools for the rules engine.
- System architecture flexibility was enabled through API exposure, facilitating future integrations and expansions
- Scalability and maintainability were ensured with a modular design approach.

Solution

✓ Implemented end-to-end solutions including automated deployment on AWS.

✓ Developed a cache implementation for performance management.

✓ Established CI/CD for DevOps automation. Created a messaging queue to manage the flow of claims messages.

✓ Designed a performance-intensive claims processing engine.

✓ Provided comparative analysis of frameworks and tools for the rules engine to make informed technology decisions.

✓ Developed extensible APIs and designed the solution with a modular approach.

Frameworks & Tools

Drools   RabbitMQ

redis

mongoDB   UNIX® An Open Group Standard

Java   MariaDB

Microsoft Azure

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

To automate the HR hiring process from scanning resumes to carrying pre-employment cheques

CASE STUDY

Scope

- Created campaigns/drives for each position, configuring questions, grading, and tracking answers
- Developed reports and analytics for the recruitment company to monitor and optimize recruitment processes
- Enabled video screening scheduling to enhance the candidate evaluation process
- Created an inventory of strong candidates with details on their availability.

Value Added

- Provided tools that increased recruiter productivity by 90%, streamlining their workflows.
- .Integrated NLP to screen thousands of resumes efficiently.
- Implemented automated communication systems to improve engagement with candidates
- Enabled data-driven decision-making that improved hiring output.

Solution

- Created campaigns/drives for each position, configuring questions, grading, and tracking answers.

- Developed reports and analytics for the recruitment company to monitor and optimize recruitment processes.

- Enabled video screening scheduling to enhance the candidate evaluation process.

- Created an inventory of strong candidates with details on their availability.

Frameworks & Tools

Go

amazon web services™

python™

mongoDB

node JS

Domain Outsource Product Development

Location India

Objective

Community Application for the customers of real estate developer

CASE STUDY

Scope

- Brainstorm and evolve the concept of a community application.
- Design and develop a mobile application (B2C) and a web application for marketing administration.
- Provide content management services.
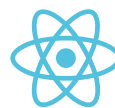- Implement automated email systems for marketing and customer relations.

Value Added

- Implemented FCM for real-time push notifications, significantly increasing user return rate to the app with purposeful interactions.
- Provided robust tools for content management and marketing communications, streamlining the process and improving reach and impact.

Solution

- ✓ Developed a React Native-based mobile application to enable community members to stay connected and share thoughts, thereby enhancing their happiness and engagement

- ✓ Equipped the PSCL marketing team with tools to send marketing brochures and mobile-based notifications & content to PSCL customers efficiently.

Frameworks & Tools

mongoDB

React Native

node JS

linode

Firebase

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Domain Outsource Product Development

Location USA

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Charity Choice is a social venture platform that connects volunteers with various individuals and corporations together

CASE STUDY

Scope

- Utilize a crowdsourcing model to connect members, including clients and volunteers.
- Allow volunteers to register a catalog of services, their availability, and the donation money they accept.
- Enable registered organizations to post work requests and make payments online.

Value Added

- Automated state and city entries by zip codes, enhancing input efficiency and location accuracy.
- Refined volunteer search to quickly match organizations with local volunteers by zip code.

Solution

- ✓ Implemented a system for matchmaking and appointment bookings between charity organizations and volunteers.

- ✓ Integrated online payment functionalities through payment gateways to facilitate financial transactions on the platform.

Frameworks & Tools

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.
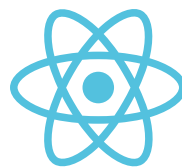
Objective

Connecting people in the community
with common interest

CASE STUDY

Scope

- The project entailed creating a comprehensive B2C platform including a mobile application, compatible with both iOS and Android.
- The app was designed to allow registered users to: Search for nearby users with common interests.
- Chat and share social media profiles. Utilize AI-based real-time reporting for enhanced user experiences.

Value Added

- We guided the client with additional features like Invites, which resulted in more user acquisition "The Favourite" feature we suggested resulted in improved engagement.
- We suggested additional KPIs to track user behavior resulting in product lead growth.

Solution

- ✓ VAST developed a user-centric mobile application incorporating advanced geolocation and geofencing technologies to facilitate real-time connections among local users.

- ✓ Built with Node JS and Feathers JS to handle real-time data storage and operations efficiently.

- ✓ A cross-platform frontend developed using React JS and Flutter, ensuring a seamless and engaging user interface.

- ✓ Integration of Google Maps and Firebase for real-time location tracking and data management.

Frameworks & Tools

Flutter

M   E   R   N

amazon web services™

Google Maps

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

A top trade compliance expert in the US, aimed to revolutionize trade workflows by simplifying management and compliance. They envisioned a potent SaaS marketplace to help businesses effortlessly navigate customs regulations.

CASE STUDY

Scope

- Develop a SaaS multi-tenant platform utilizing a microservices-based architecture.
- Integrate the platform with multiple trade compliance solutions/services, allowing users to select and pay for services based on their specific needs and consumption.

Value Added

- Implemented a SaaS marketplace, achieving major cost savings and efficiencies for our client and their customers.
- Boosted client revenue by expanding service offerings and customer reach.
- Enhanced compliance management, increasing user satisfaction, and optimizing processes through client feedback

Solution

- ✓ VAST developed a robust SaaS marketplace equipped with a multi-tenant system and microservices architecture.

- ✓ Integrated seamlessly with multiple trade compliance services, offering a comprehensive suite of tailored offerings.

- ✓ Implemented technologies such as Java, SpringBoot, React, and Docker to ensure scalability, flexibility, and optimal performance.

- ✓ Introduced a pay-as-you-go model that empowered users to select and pay for services based on their consumption.

Frameworks & Tools

Java

spring
by Pivotal

docker

Microservices

Domain	Outsource Product Development
Location	Germany

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Develop and deploy a web-based application to automate the lead-cutting process at the client's Cable Assembly manufacturing plant, aiming to improve efficiency, accuracy, and productivity in manufacturing operations.

CASE STUDY

Scope

- Address inefficiencies in the manual lead-cutting process which involved multiple steps and periodic measurements.

- Automate measurements, validation, and documentation to reduce errors and enhance productivity.

Solution

- Developed a web-based application tailored to the specific needs of the client's manufacturing requirements.

- Implemented advanced features such as role-based access control, audit trails, and system integration capabilities to enhance usability and scalability.

- Digitized the lead cutting process, enabling automated measurements, real-time validation, and streamlined documentation.

Value Added

- Provided full lifecycle support from inception to post-MVP, including roadmap planning and system maintenance
- Developed a custom solution targeting the client's specific manufacturing needs.
- Used advanced web frameworks and databases to efficiently automate the lead-cutting process.
- Collaborated with the client's team to resolve implementation challenges, ensuring project success.
- Delivered cost savings, increased efficiency, improved product quality, and ensured compliance with standards.

Frameworks & Tools

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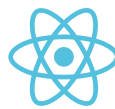
Objective

VAST collaborated with an Indian real estate leader, crafting a solution for developers. Goals included workflow streamlining, resident management enhancement, and a service provider marketplace creation. Expertise in real estate and tech-enabled VAST to aid clients in launching an industry-revolutionizing platform in India.
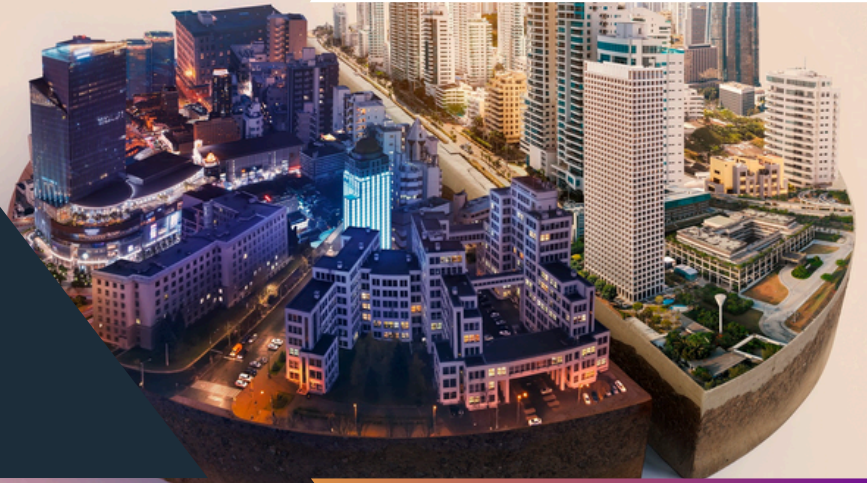
CASE STUDY

Scope

- Address challenges for property developers, residents, and service providers in real estate.
- Streamline workflows and enhance operational efficiency.
- Improve customer satisfaction across the real estate ecosystem.
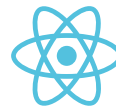- Foster community engagement within real estate operations.

Value Added

- **Domain expertise:** VAST's deep experience in real estate brought valuable insights and guidance to clients throughout the project.
- **Architecture consulting:** VAST helped define the product architecture and technology stack, ensuring scalability and future-proofing.
- **Deployment strategy:** VAST assisted in defining a seamless deployment strategy, enabling scalability and reliability.
- **Software development best practices:** VAST implemented containerization and code quality assurance, ensuring a robust and maintainable solution.
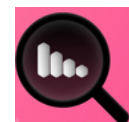
Solution

- ✓ Streamlined property developers' workflows by enhancing sales, marketing, and support activities.

- ✓ Empowered residents with efficient property management tools, fostering community engagement.

- ✓ Created a service marketplace for providers to publish services, improving convenience for residents.

- ✓ Leveraged technologies like ReactNative, Nest.js, and Microservices for scalability and performance.

Frameworks & Tools

React Native

NEXT.js

node js

docker

kubernetes