

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. .

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.

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.

Frameworks & Tools



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.

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.

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.

Frameworks & Tools



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.

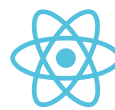
Solution

- ✓ 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.

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.

Frameworks & Tools



mongoDB

React Native

node JS



linode



Firebase

Objective

Develop ASAP (Apartment, Society Activity Portal) - an innovative management software streamlining operations for property managers and residents. Automates tasks enhances communication, and provides robust financial tools, revolutionizing apartment, and society management.



CASE STUDY

Scope

- Address the manual and time-consuming nature of managing day-to-day operations in apartment complexes and societies.
- Automate processes such as maintenance requests, rent collection, lease management, and financial reporting to reduce inefficiencies and errors.

Solution

- ✓ Developed ASAP, a comprehensive apartment management software solution tailored to the specific needs of property managers and residents.
- ✓ Utilized web development frameworks, database management systems, and cloud computing to offer a user-friendly interface and robust functionality.
- ✓ Key features included a comprehensive role-based system, maintenance tracking, lease management, resident management, financial reporting, and regulatory compliance tools.
- ✓ Integrated ASAP with Tally ERP 9 for the seamless financial management of society books.

Value Added

- ASAP resulted in significant cost savings for society management committees, with a 70% reduction in manual administrative tasks, increasing operational efficiency.
- Enhanced communication and streamlined operations led to higher resident satisfaction. The user-friendly interface and robust functionality boosted productivity.
- The software improved data analysis, aiding informed decision-making for committee members. Its scalability ensures long-term value, with room for future enhancements and customization.

Frameworks & Tools



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.

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.

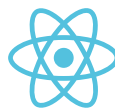
Value Added

- **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.

Frameworks & Tools

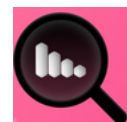
 React Native

 NEXT.js



 node.js

 docker



 kubernetes