

# 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.

### 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.

### 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.

### Frameworks & Tools



# Objective

VAST and a US wireless communication supplier collaborated on a real-time analytics platform for mines, focusing on data monitoring and analysis. Leveraging architecture consulting, VAST delivered a scalable solution.

## CASE STUDY

### Scope

- Ingest the streaming data emitted by the communication system in real-time.
- Process the data efficiently to derive meaningful insights and analytics.
- Provide real-time visualization of the analytics to enable monitoring and decision-making.
- Be scalable to handle large volumes of data emitted by the communication system across multiple mines.
- Recommend a technology stack that could support the requirements for real-time data processing and visualization.

### Solution

- ✓ Conducted a comprehensive analysis of the client's requirements and designed a detailed architecture for the real-time analytics platform.
- ✓ Leveraged cutting-edge technologies such as Spark, Kafka, Python, and React to enable real-time data ingestion, processing, and visualization.
- ✓ Ensured the solution provided scalability, flexibility, and performance, effectively addressing the client's challenges.

### Value Added

- Created a scalable architecture to manage large streaming data volumes, ensuring future growth aligned with client needs.
- Proposed Spark, Kafka, Python, and React for real-time data processing and visualization.
- Worked closely with client stakeholders to address challenges and improve the solution.
- Applied microservices architecture and containerization, ensuring robustness, maintainability, and scalability.

### Frameworks & Tools



# 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.

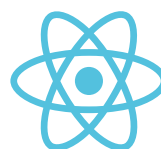
## Solution

- ✓ 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.

## 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

## 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.

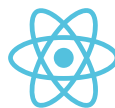
## Value Added

- **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

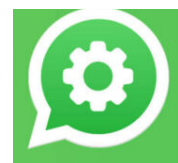
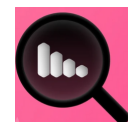
 React Native

 NEXT.js



 node.js

 docker



 kubernetes