Industry Knowledge Management

Location USA

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Design, architect, and setup of Kubernetes cluster infrastructure in AWS cloud for multiple environments of Dev, QA, UAT Production in multiple AWS regions using DevOps best practices

CASE STUDY

Scope

- Evangelize DevOps practice and Abide by 12 factor App principle.
- Build infrastructure to support a highly scalable and available Aspenify platform for US Europe geography
- Setup of production environment for release deployment with rollback facility
- Setup CI/CD pipeline for deploying frontend and backend applications
- Mitigating Threats to Cyber Security.

Solution

- Infrastructure design, setup, and deployment using DevOps best practices.
- CI/CD setup for seamless transition of code via tagged auto versioning and monitoring dashboards with logs analytics.
- Setup of lower environments Dev, QA, UAT, Demo.
- End-to-End Application Provisioning using IaC (Terraform).
- SNS Alerts and notifications for infrastructure changes.
- Setup of the production environment for release deployment with rollback facility
- Fortnight patching

Value Added

- Savings on Operation costs, fewer operation cycles, and no miscellaneous charges
- AWS Cost optimization
- DAST - Weekly testing to mitigate security weaknesses and vulnerabilities
- SAST(Snyk) - Weekly testing to build secure applications
- Security Scorecard - to mitigate cyber threats
- Migration of client's Website from AWS (EC2 instance)to WordPress.
- Zero downtime deployments with rollback in case of any failures
- Detailed Monitoring of applications using Prometheus and Grafana

Frameworks & Tools

Bitbucket

kubernetes

Jira

Jenkins

aws

mongoDB

Confluence

Prometheus

Terraform

ANSIBLE

node

Grafana

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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