Medini Aithal

DevOps Engineer

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Experience

Consultant, Mercedes Benz Research and Development, India   **Aug 2021 - Jan 2024**

• Designed CI/CD build and release pipeline by utilizing Maven, Sonar, Artifactory, Blackduck, Docker, Kubernetes to deliver with 40% enhanced features for all environment

• Interfaced with project members, managers, owners, architects, developers, testers, parallel project teams to configure and manage On-Premises clusters

• Contributed and maintained Flux-CD with Kustomize build to auto-deploy application images without manual intervention

• Set-up CaaS clusters with necessary traefik controller, certificate manager, deployed applications and other necessary kubernetes objects such as pods, service, replica sets

• Configured routing mechanisms with necessary middleware, network policies, firewall clearance and ACME certificates for users to access cluster deployed application in any web browser using an IP domain mapped URL

• Integrated SSO login with applications to enhance the security by 70% using multi-factor authentication for various projects

• Created and deployed sealed secret for various applications in GitHub repository for enhanced data security

• Implemented monitoring mechanisms using Prometheus, Grafana and Alert manager using PromQL scripts which improved error handling in production by 90%

• Increased code coverage by 60% for all microservice JAVA application by elevating the JUnit test cases using spring tool suite

• Successfully troubleshooted various runtime issues with respect to certificate and network issues, Kubernetes objects errors with minimal downtime in all environment including production

• Mentored fellow teammates and new joiners in DevOps technologies enabling them to contribute individually and released changes specific to applications in company's confluence page as a best practice

• Initiated and managed the administration, fixed Java and Docker security vulnerabilities and access control for GitHub code repository, and other instances such as Blackduck, SonarQube, Image repository, Jenkins, PostgresDB

• Maintained a front-end application by adding/removing application forms using HTML, CSS, and JavaScript technologies

• Deployed virtual machines, networking, IAM, web app, storage, and testing traefik as ingress controller in Azure Cloud

Education

B.E Information Science and Technology (9.64/10)   **Aug 2017 - Aug 2021**
NMAM Institute of Technology

India

Projects

Intern, Quality Theorem, Bengaluru, India   **Dec 2019 - Jan 2020**
Developed web pages and connected it to database using HTML, CSS, PHP, MySQL technologies for online examination system group project

Skills

Languages: Java, JavaScript, HTML, CSS, PostgreSQL, PromQL, Bash, YAML, powershell, Groovy, Linux
DevOps: Kubernetes, Docker, Sealed-secrets, SSO login, Maven, CI/CD Tooling, Cluster infrastructure, Private Cloud, FluxCD, ArgoCD, ACME, Ingress Controller, networking
Tools: GitHub, Jenkins, Docker Hub, Jfrog, SonarQube, Blackduck, Prisma, PostgresDB, Grafana, Prometheus, Alert-Manager, Git, Spring Boot, GitHub Actions
Other: Nginx, Cloud-Migration, Azure DevOps, Terraform,
Agile Scrum experience: Kanbo, Jira, Confluence, Story planning