

Medini Aithal

mediniaithal24@gmail.com | +44 7493815238 | Swindon, UK |

| [LinkedIn](#) | [GitHub](#) |

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 to configure and manage On-Premises clusters
- Contributed and maintained Flux-CD with Kustomize build to auto-deploy application images without manual intervention
- Configured routing mechanisms with necessary middleware, network policies and ACME certificates for users to access cluster deployed application in any web browser using a specific 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
- Implemented monitoring mechanisms using Prometheus, Grafana and Alert manager which improved error handling in production by 90%
- Increased code coverage by 60% for all 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.
- 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, PostgreSQL
- 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 Engineering (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, Groovy, Linux,

DevOps: Kubernetes, Docker, Sealed-secrets, SSO login, Maven, CI/CD Tooling, Cluster infrastructure, Private Cloud. Helm, Terraform, Cloud-Migration, Azure DevOps, Nginx

Tools: GitHub, Jenkins, Docker Hub, Artifactory, SonarQube, BlackDuck, Prisma, PostgreSQL, Grafana, Prometheus, Alert-Manager, Spring Boot, FluxCD, ArgoCD

Agile Scrum experience: Kanbo, Jira, Confluence, Story planning

Other: Networking fundamentals, Access Control, Communication skills, Troubleshooting skills