

Kaverappa M M

(DevOps & Cloud Engineer | Terraform • GitHub Actions • Docker • Kubernetes • AWS • GitOps)

Experience in automating deployments, managing CI/CD pipelines, and scaling applications across cloud-native environments. Adept in building secure, repeatable infrastructure using Terraform, Docker, Kubernetes, and GitHub Actions. Experienced in monitoring systems with Prometheus, Grafana, implementing GitOps practices, and integrating tools across the DevOps lifecycle.

[Portfolio](#) [GitHub](#) [Email](#) [LinkedIn](#)

 9740495812

WORK EXPERIENCE

Senior System Engineer (Infosys Limited, Mysore)

April 2022-Present

- Developed a Live Q&A platform supporting **10K+ users**, boosting real-time engagement by 90%.
- Built an **GenAI chatbot** using Langchain & Ollama LLM, achieving **95%** response accuracy.
- Integrated PostgreSQL with **Redis caching** to optimize backend response times under high load.
- Designed and deployed CI/CD pipelines using **GitHub Actions** and Docker, reducing release cycles **by 50%**.
- Managed codebase using GitHub and implemented **automated testing** via GitHub Actions.
- Managed Agile sprints, JIRA tracking, and PR-based **code reviews** with GitHub.

System Administrator (Diya Systems Pvt Ltd, Mysore)

December 2021-April 2022

- Provided **web advisory services**, resolved DNS issues, and optimized system performance.
- Configured and troubleshooted **Linux systems**, ensuring stability and security.
- Enhanced client solutions through strong **communication** and collaboration.

PROJECTS

Meridian-Events (Angular, Node.js, PostgreSQL, GitHub Actions, Redis, NgRx, RxJS)

- An end-to-end **event management platform** allowing users to create, view, and participate in live events.
- Optimized app performance with **ChangeDetection & lazy-loading**, reducing initial load time by 70%.
- Implemented **NgRx & RxJS** for state management, improving UI responsiveness.
- Enhanced backend performance using **Redis caching & API calls** to handle high traffic.
- Automated CI/CD pipelines using **GitHub Actions**, enabling seamless build, test, and deployment.

Task Manager DevOps ([link](#)) (React, Node.js, MongoDB, GitHub Actions, Docker, Terraform)

- Developed a **CRUD** full-stack app for task management.
- Containerized with **Docker & Kubernetes**, ensuring scalability & service discovery.
- Used **Terraform** to provision AWS infrastructure with modular and reusable scripts.
- Implemented **role-based access** control for secure access.
- Integrated **Prometheus & Grafana** for real-time monitoring and alerting.

Kubernetes + GitHub Actions CI/CD Lab (Node.js, Terraform, AWS, Docker, GitHub Actions, K8s)

- Set up a **CI/CD pipeline** lab environment to experiment with GitHub Actions for Docker image build/test/deploy.
- Developed a reusable IaC base to spin up EC2, S3, and IAM roles.
- Enabled container-based deployments with Docker and Kubernetes.
- Configured Trivy scans and deployed services on local Kubernetes using Minikube

SKILLS

- **CI/CD & IaC:** GitHub Actions, Jenkins, Terraform, GitOps, Helm
- **Cloud Platforms:** AWS (EC2, S3, Lambda, IAM, Bedrock, Route53, ECS, EKS), Azure
- **Containerization:** Docker, Kubernetes
- **Monitoring & Security:** Prometheus, Grafana, Trivy, SonarQube
- **Languages/Scripting:** Python, YAML, JavaScript
- **Source Control & Tools:** Git, GitHub, GitLab, JIRA, Agile/Scrum

EDUCATION

Bachelor of Engineering(7.62 CGPA)

August 2017-October 2021

