KOLLIMALA GOWRI MANOHAR

DevOps Engineer

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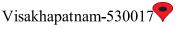
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https://github.com/GowriManohar130



PROFESSIONAL SUMMARY

Self-motivated and smart-working DevOps Software Engineer with expertise in automation, cloud computing, and CI/CD pipelines. Transitioned from a Mechanical Engineering background into DevOps. focusing on containerization, infrastructure as code, and deployment automation. Experienced in optimizing workflows for efficiency and scalability. Passionate about tackling new challenges in dynamic engineering environments.

PROFESSIONAL EXPERIENCE

DevOps Engineer

Infyshine Technologies Pvt. Ltd., Visakhapatnam

Experience: 2 Years

Project

Workshine – Microservices-Based Human Resource Management System

Tech Stack: Java Spring Boot, ReactJS, Docker, Kubernetes, Jenkins, Terraform, AWS (EC2, RDS), Prometheus, Grafana, ELK, MongoDB, MySQL

Overview:

Developed and maintained a suite of microservices for Workshine HRMS, a comprehensive human resource management system. Enabled high availability, scalability, and streamlined DevOps practices across all modules.

Key Microservices:

- Expense Tracking System: Developed employee module using ReactJS and Spring Boot with a rolebased approval workflow.
- Leave Management, Payroll, Master Data, Timesheet, Organization, Appraisal, and Attendance Systems: Managed CI/CD, infrastructure automation, monitoring, and deployments across all modules.

Key Responsibilities:

- **Version Control:** Managed Git and Bitbucket repositories including branching, merging, and conflict resolution.
- **Build Automation:** Configured Jenkins pipelines for building, testing, and deploying Dockerized microservices to Kubernetes.
- **Kubernetes Administration:** Deployed and managed Kubernetes workloads across dev, staging, and uat environments.
- Cluster Provisioning: Installed and configured Kubernetes clusters on-premises and on AWS EKS for scalable, containerized deployments.
- Containerization: Built and maintained Docker images and managed private Docker registries.
- **Environment Management:** Designed and maintained DEV, QA, UAT, and NON-PROD environments with appropriate infrastructure isolation.
- **CI/CD Implementation:** Built and optimized CI/CD pipelines using Jenkins, Docker, Kubernetes, Git, and AWS.
- **Monitoring & Logging:** Implemented observability using Prometheus, Grafana, and ELK stack for log aggregation and real-time metrics.
- Code Quality: Integrated SonarQube into CI pipelines for static code analysis and code quality enforcement.
- **Infrastructure as Code:** Used Terraform to provision and update AWS infrastructure, ensuring repeatable and consistent deployments.
- Cloud Architecture: Designed scalable AWS architectures using EC2, Load Balancer, IAM, Auto Scaling, VPC, Route 53, and CloudFront.

TECHNICAL SKILLS

Basics: HTML, CSS, JavaScript **Frontend Frameworks:** React **Backend:** Java, Java Spring Boot

Message Queue: Kafka

Databases: MySQL, MongoDB

Infrastructure: AWS, NGINX, Terraform

CI/CD: Jenkins, Git/Bitbucket

Virtualization: Docker, Kubernetes

Observability: Grafana, ELK, Prometheus

Scripting: YAML, Groovy, Shell

EDUCATION

Bachelor of Technology (Mechanical Engineering)

Gayatri Vidya Parishad College for Degree and PG Courses (2016 – 2019)

Diploma in Mechanical Engineering

Sanketika Polytechnic College (2013 – 2016)

CERTIFICATIONS

 Java Full Stack Development – Tech Mahindra SMART Academy for Digital Technologies, Visakhapatnam

ACHIEVEMENTS

- Project Team Lead Led final-year projects in both B.Tech and Diploma.
- 1st Place in Diploma Project Presentation Secured 1st place in Polytechnic Project Presentation for innovative engineering solutions.