KOLLIMALA GOWRI MANOHAR

DevOps Engineer

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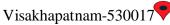
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PROFESSIONAL SUMMARY

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

Key Responsibilities

- Version Control: Hands-on experience with Git and Bitbucket, including managing remote repositories, branching, merging, and resolving conflicts.
- Build Automation: Automated build processes using Jenkins, handling code compilation, managing project dependencies, building **Docker images**, and deploying them in **Kubernetes** environments.
- **Kubernetes Management:** Managing Kubernetes deployments across multiple environments.
- Kubernetes Cluster Installation: Installed and configured Kubernetes clusters both On-Premises and on EKS, managing local deployments and orchestrating containers for efficient scaling and performance.
- **Docker Expertise:** Extensive experience with **Docker** components, including **Docker Engine**, **Docker** Registry, and managing container images.
- Environment Management: Designed and managed DEV, QA, UAT, and NON-PROD environments for various releases, implementing instance strategies for smooth deployments.
- CI/CD Pipeline Development: Proficient in CI/CD pipeline development and maintenance using Git, Bitbucket, Jenkins, Docker, Kubernetes, and AWS Cloud.
- Monitoring & Observability: Knowledgeable in using monitoring tools like Prometheus, Grafana, and **ELK** for application observability.

- Code Quality Checks: Experience with SonarQube for code quality analysis and integrating it into the CI/CD pipeline.
- **AWS Infrastructure Management:** Created and managed **AWS infrastructure** using **Terraform**, handling provisioning and updates of AWS resources.
- Cloud Architecture Design: Configured multiple AWS EC2 instances and designed architecture utilizing services like EC2, IAM, Load Balancer, Auto Scaling, VPC, Route 53, and CloudFront.

Projects

Project 1:

Expense Tracking System:

• Developed the employee module in Expense Tracking System using ReactJS and Java Spring Boot, integrated with a role-based approval workflow.

Project 2:

Leave Management System:

• Implemented CI/CD pipelines for continuous integration and deployment of the leave management application, leveraging Kubernetes and Docker.

Project 3:

Master Data Handling System:

 Orchestrated scalable deployments using Kubernetes clusters, automated build processes through Jenkins, and implemented ELK-based monitoring.

Project 4:

Pavroll Management System:

• Deployed the payroll management system to AWS, using EC2, RDS, and Docker containers to ensure high availability and scalability.

Project 5:

Timesheet Management System:

• Automated deployment workflows and integrated monitoring solutions such as Prometheus and Grafana to ensure uptime and performance.

Project 6:

Organization Management System:

• Built and managed environments for the system, using Docker and Kubernetes to streamline testing and production deployment.

Project 7:

Appraisal Management System:

• Configured CI/CD pipelines to facilitate rapid deployment cycles, ensuring real-time updates and smooth scaling of the system in Kubernetes.

Project 8:

Attendance Tracking System:

• Automated infrastructure provisioning and deployments with Terraform, ensuring consistent environments for development and production.

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.