


KOLLIMALA GOWRI MANOHAR


DevOps Engineer

7207378703 

gowrimanohar0@gmail.com 

[linkedin.com/in/gowri-manohar-5bb804258](https://www.linkedin.com/in/gowri-manohar-5bb804258) 

<https://github.com/GowriManohar130> 

Visakhapatnam-530017 

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:

Payroll 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.