Gokul K

DevOps Engineer | CI/CD | Docker | Kubernetes | AWS | Infrastructure Automation

ceecgokul2024@gmail.com   +91 9384116533   linkedin.com/in/gokul-k30   github.com/Gokulk-306   Tamil Nadu, India

SUMMARY

Motivated DevOps Engineer and 2024 ECE graduate with hands-on expertise in CI/CD pipelines, containerization, cloud infrastructure, and configuration management. Proficient in Jenkins, Docker, Kubernetes, Ansible, and AWS to build scalable, production-ready systems. Passionate about automation, observability, and reliable software deployments.

CORE SKILLS

Cloud & Infrastructure: AWS (EC2, S3, VPC, IAM, Auto Scaling), Linux (RHEL, Ubuntu, CentOS)

CI/CD & Build Tools: Jenkins, Maven, Git, GitHub Webhooks, SonarQube, AWS CodeBuild

Containers & Orchestration: Docker, Docker Compose, Kubernetes (K8s), Helm

IaC & Config Management: Ansible, Ansible Vault, Jinja2, YAML, Terraform (Basics)

Monitoring & Observability: Prometheus, Grafana, AlertManager, Node Exporter, Kube-state-metrics

Scripting & Development: Python, Bash, Flask, REST APIs, JWT Authentication

Tools & Collaboration: Jira, GitHub, AWS CLI, Confluence, Git

INTERNSHIP

AWS DevOps Engineer   Dec 2025 – Present | Coimbatore
Onedata Software Solutions, Coimbatore

- Gaining hands-on experience in AWS cloud infrastructure setup, DevOps pipeline management, and deployment automation in a liveproduction environment.
- Assisting in configuring CI/CD workflows, Docker-based container deployments, and cloud resource provisioning with best-practice securityconfigurations.

PROFESSIONAL EXPERIENCE

Automation Engineer   Aug 2024 – Jul 2025 | Chennai
Salcomp Technologies, Chennai

- Drove automation improvements across manufacturing assembly processes, reducing production downtime and minimising manualintervention through systematic process optimisation.
- Collaborated with cross-functional engineering teams to design, test, and refine automation workflows ensuring reliability and operationalefficiency.
- Analysed production data and recommended automation enhancements as part of continuous improvement initiatives, improving assemblyline performance.

PROJECTS

Jenkins End-to-End CI/CD Pipeline
Jenkins | Docker | Kubernetes | Java Spring Boot | Maven | SonarQube | Helm

- Architected a multi-stage declarative Jenkins pipeline with Git webhooks, Maven builds, SonarQube quality gates, Helm-based Kubernetes deployment achieving 95% success rate, and integrated Prometheus/Grafana monitoring with Slack alerts.

Jira Automation Webhook
Python | Flask | GitHub Webhooks | Jira REST API | JWT

- Built a Flask REST API microservice to auto-create Jira tickets from GitHub issue comments, reducing manual effort by 85%; secured with JWT tokens, robust error handling, request validation, and structured logging.

Infrastructure Automation using Ansible
Ansible | YAML | Python | Linux | AWS | Jenkins | Jinja2 | Ansible Vault

- Developed reusable Ansible roles for server provisioning, security hardening, and multi-environment deployments with Ansible Vault for credential management; integrated with Jenkins CI/CD for consistent, auditable infrastructure deployments.

Kubernetes Monitoring with Prometheus & Grafana
Prometheus | Grafana | Kubernetes | Helm | AlertManager | Node Exporter

- Deployed Prometheus Operator via Helm to scrape cluster metrics; built custom Grafana dashboards for resource utilisation and pod health; configured AlertManager with Slack/email notifications for faster incident response.

EDUCATION & CERTIFICATIONS

BE – Electronics & Communication Engineering

K.S.R College of Engineering, Namakkal

2020 – 2024

Certifications

- Certified DevOps Engineer — Guvi (HCL)
- Cloud Computing Certification — NPTEL
- Salesforce Developer Virtual Internship — Salesforce