

# Gokul K

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

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## 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 live production environment.
- Assisting in configuring CI/CD workflows, Docker-based container deployments, and cloud resource provisioning with best-practice security configurations.

## PROFESSIONAL EXPERIENCE

### Automation Engineer

Aug 2024 – Jul 2025 | Chennai

Salcomp Technologies, Chennai

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