Sirigiri Jagadeesh Kumar

DevOps & Cloud Engineer | AWS | Kubernetes | Terraform | CI/CD

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PROFILE SUMMARY

DevOps & Cloud Engineer with 2 years of hands-on experience supporting and automating cloud infrastructure on **AWS** with strong exposure to **Terraform (IaC), Docker, Kubernetes (EKS), Jenkins, GitHub Actions, and Linux systems**. Proven background in **production monitoring, CI/CD automation, cloud networking, IAM security, incident troubleshooting, and on-call operations**. AWS Certified professional with real project experience in **containerized deployments, GitOps pipelines, infrastructure automation, and cloud reliability engineering**.

SKILLS

Cloud Platforms: AWS (EC2, EKS, IAM, VPC, S3, CloudWatch, Security Groups, Load Balancing – ALB/NLB)
Infrastructure as Code: Terraform (AWS provisioning), Ansible
Containers & Orchestration: Docker, Kubernetes (EKS – deployments, pods, services, logs, rollouts)
CI/CD & GitOps: Jenkins, GitHub Actions, Argo CD (project exposure)
Security & Networking: IAM policies, Security Groups, TLS/Certificates (basic), VPC, Subnets, DNS, Firewalls
Automation & Scripting: Python, Bash, Shell
Monitoring & Reliability: CloudWatch, Grafana, Prometheus, SLA, RCA, On-call support
Operating Systems: Linux (RHEL, Ubuntu), Windows Server
ITSM: Incident, Problem, Change, RFC, CAB (ITIL)

WORK EXPERIENCE

Tata Consultancy Services – Chennai   Jan 2024 to Sep 2025

- Supported **cloud and Linux-based production workloads** in a **24×7 on-call environment**.
- Monitored AWS workloads using **CloudWatch metrics, logs, and alarms**.
- Supported **EC2, IAM, VPC, Security Groups, and S3** across dev & test environments.
- Automated **log collection, health checks, and patch validation** using **Python & Bash**.
- Built and supported **CI/CD pipelines using Jenkins, GitHub Actions, and Azure DevOps**.
- Assisted in **Docker-based deployments** and supported workloads on **Kubernetes (EKS – basic)**.
- Performed **P1/P2/P3 incident triage, RCA, SLA tracking, and bridge coordination**.
- Collaborated with developers to resolve **application + infra performance issues**.
- Participated in **Change & CAB** activities and supported production deployments.
- Improved operational efficiency using **automation and proactive monitoring**.

INTERNSHIPS

AWS DEVOPS INTERNSHIP   March 2024 – August 2024
SRISH Software Technologies LLP   Role: AWS DevOps Intern

- Monitored application health, logs, and alarms using **CloudWatch**.
- Built CI/CD pipelines with **Jenkins & GitHub Actions**.
- Deployed **AWS EC2, IAM, VPC, Security Groups**.
- Created **Docker containers** and supported containerized deployments.
- Performed backup operations and infrastructure documentation.

PROJECTS

1. CI/CD → Docker → Kubernetes (EKS) → Monitoring
- Built full pipeline using GitHub Actions → Docker → AWS ECR → EKS → Argo CD.

- Implemented rolling deployments and pod-level monitoring with Prometheus & Grafana.
- Automated container image build, scan, and deployment.

2. Terraform AWS Infrastructure Automation

- Created Terraform modules for EC2, IAM, VPC, Subnets, Security Groups.
- Implemented reusable IaC templates with remote state handling.

3. Cloud Monitoring & Auto-Healing

- Built Python automation for EC2 health checks, log parsing, and CloudWatch alarms.
- Simulated production incidents and executed structured RCA & recovery drills.

EDUCATION

Vijaya Engineering College Khammam - B Tech in Electronics and Communications, **June** 2023
Sri C V Raman Junior College, Khammam - Senior secondary(12th), **June** 2019
Madhu Vidyalayam, Wyra - Matriculation(10th)**, May 2017**

AWARDS & CERTIFICATIONS

AWS Certified Cloud Practitioner   June 2025 – June 2028
ITIL Framework – Practical Experience in Incident/Request/Problem Management
Red Hat Linux Administration – Ongoing (Self-Learning + Hands-on Labs)

ADDITIONAL STRENGTHS

- Comfortable with **24×7 rotational shifts**
- Strong troubleshooting & analytical mindset
- Excellent documentation & communication skills
- Fast learner, calm under pressure