

Madeep Yampalaku

DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer (**CKA & AWS Solutions Architect Associate** Certified) with **3 years** of hands-on experience in **AWS (EKS, EC2, VPC)** cloud infrastructure, **Kubernetes orchestration**, **Terraform IaC**, and **CI/CD automation**. Skilled in **Docker**, **Jenkins**, **ArgoCD**, **GitHub Actions**, and observability tools including **Prometheus**, **Grafana**, **Loki**, and **CloudWatch**. Proven track record in implementing **DevSecOps** practices, optimizing **cloud costs**, migrating **GitOps** frameworks, and improving reliability through **automation**, **monitoring**, and scalable **cloud-native architectures**

SKILLS

Cloud & Infrastructure

AWS (EC2, VPC, EKS, ECS, S3, IAM, RDS, Lambda, Route 53, WAF), Linux, Ubuntu

CI/CD & DevOps Tools

Jenkins, Groovy, GitHub Actions, AWS CodePipeline, CodeBuild, CodeDeploy, ArgoCD

Monitoring & Logging

Prometheus, Grafana, Loki, Promtail, ELK Stack, CloudWatch, CloudTrail

Scripting

Python, Bash, Shell Scripting

Version Control

Git (GitHub, GitLab), SVN

Containers & Orchestration

Docker, Kubernetes, Helm, Nginx, Ingress Controller

Infrastructure as Code

Terraform, CloudFormation

Security & Compliance

Trivy, SonarQube, Nexus, IAM Policies, AWS Security Best Practices


Databases

MySQL, PostgreSQL, Oracle, DynamoDB, MongoDB, MariaDB

CERTIFICATIONS


AWS Certified Solutions Architect - Associate (SAA-C03)

Valid: Nov 2025 - Nov 2028

Badge: <https://www.credly.com/badges/799258dd-4a26-4f41-b471-fed068e7bafd> 

Certified Kubernetes Administrator (CKA)

Valid: Aug 2025 - Aug 2027

Badge: https://www.credly.com/badges/b30e9e15-3dae-48e3-978c-e73baee76a65/linked_in_profile 

PROFESSIONAL EXPERIENCE

Software Engineer (DevOps), *Nepra Resource Management*

07/2024 – Present
Ahmedabad, India

- Deployed and managed microservices and ML workloads on **AWS EKS, EC2, Docker, Kubernetes**, and **Nginx**, delivering **99.9% uptime**.
- Built and enhanced **CI/CD pipelines** using **Jenkins, Google Play Console API, Trivy**, and **SonarQube**, improving deployment time by **35%**.
- Configured **Nginx Ingress Controller, AWS NLB, ACM**, and **Certbot**, achieving **20% lower latency** and secure HTTPS routing.
- Implemented observability using **Prometheus, Grafana, Loki**, and **Promtail**, enabling **25% faster troubleshooting**.
- Upgraded **EKS clusters** and node groups from **v1.23 → v1.32**, ensuring platform stability.
- Streamlined **AWS control plane** architecture, driving a **600% cost reduction**.
- Migrated GitOps workflow from **FluxCD → ArgoCD**, improving visibility, UI experience, and traceability.
- Provisioned **AWS ECS Fargate** using **Terraform** and orchestrated microservices releases via **Jenkins CI/CD**, enabling scalable rollouts.

Associate DevOps Engineer, *Auropro Soft Systems Pvt. Ltd.*

01/2023 – 07/2024
Hyderabad, India

- Provisioned AWS infrastructure using **Terraform**, improving **EC2** and **RDS** performance and boosting efficiency by **15%**.
- Engineered CI/CD pipelines using **AWS CodePipeline, CodeBuild**, and **CodeDeploy**, reducing release time.
- Strengthened cloud environments with **IAM, security groups**, and **VPC** best practices.
- Built monitoring dashboards using **CloudWatch** logs, metrics, and alarms to improve reliability and reduce incident cycles.
- Developed reusable **Terraform modules** for **VPC, EC2, RDS, IAM**, and networking components, standardizing provisioning.

EDUCATION

B.Tech in Computer Science and Engineering, *Madanapalle Institute of Technology and Science*

2019 – 2023
Madanapalle, India

- CGPA: 8.6/10