

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), *Neptra Resource Management*

- Deployed and managed **microservices and ML workloads** on **AWS EKS, EC2, Docker, Kubernetes, and Nginx**, achieving **99.9% uptime**.
- Designed and provisioned a **production-grade Amazon EKS architecture using Terraform**, following AWS best practices with modular infrastructure (VPC, IAM, EKS, Node Groups).
- Built and optimized **CI/CD pipelines** using **Jenkins, Google Play Console API, Trivy, and SonarQube**, reducing deployment time by **35%**.
- Configured **Nginx Ingress Controller, AWS NLB, ACM, and Certbot**, improving application latency by **20%** and enabling secure HTTPS routing.
- Implemented **observability and logging** using **Prometheus, Grafana, Loki, and Promtail**, enabling **25% faster incident resolution**.
- Integrated **Cluster Autoscaler, Metrics Server, and AWS Load Balancer Controller** to support horizontal scaling of Kubernetes workloads.
- Led **EKS cluster and node group upgrades** from **v1.23 to v1.32**, ensuring platform stability and compatibility.
- Optimized AWS control plane and infrastructure architecture, achieving a **~6× reduction in infrastructure costs**.
- Migrated **GitOps workflows from FluxCD to ArgoCD**, improving deployment visibility, auditability, and operational efficiency.
- Provisioned **AWS ECS Fargate** infrastructure using **Terraform** and orchestrated microservices deployments through **Jenkins CI/CD pipelines**.

07/2024 – Present
Ahmedabad, India
(Open to relocate to
Hyderabad/Bangalore)

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

- 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.

01/2023 – 07/2024
Hyderabad, India

EDUCATION

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

- CGPA: 8.6/10

2019 – 2023
Madanapalle, India