

Madeep Yampalaku

DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with **3 years** of hands-on experience in **AWS** cloud infrastructure, **Kubernetes** orchestration, **CI/CD** pipeline automation, and cloud-native deployments. Skilled in **Docker**, **Terraform**, **Jenkins**, **ArgoCD**, and monitoring tools such as **Prometheus** and **Grafana**. Proven ability to implement **DevSecOps** practices, optimize cloud costs, deploy scalable **microservices**, and enhance system reliability through automation and observability

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

PROFESSIONAL EXPERIENCE

Software Engineer (DevOps), Nepra Resource Management

- Deployed and managed microservices and ML chatbot workloads on AWS EKS and EC2 with Docker, Kubernetes, and Nginx, delivering **99.9% uptime** and full onboarding success.
- Built and enhanced CI/CD pipelines with Jenkins, Google Play Console API, Trivy, and SonarQube, cutting deployment time by **35%** and eliminating security vulnerabilities.
- Configured Nginx Ingress Controller and AWS NLB with SSL termination through ACM and Certbot, resulting in **20% lower latency** and secure HTTPS routing.
- Executed a full observability stack leveraging Prometheus, Grafana, Loki, and Promtail in private VPC environments, enabling **25% faster response-time insights** and stronger monitoring coverage.
- Upgraded EKS clusters and node groups from **v1.23** to **v1.32**, resolving compatibility challenges and stabilizing platform operations.

07/2024 – Present
Ahmedabad, India

- Streamlined AWS control plane architecture, driving a **600% cost reduction** by eliminating extended support dependencies.

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

01/2023 – 07/2024
Hyderabad, India

- Provisioned scalable AWS infrastructure with Terraform, enhancing EC2 and RDS performance and boosting overall efficiency by **15%**.
- Automated microservice delivery pipelines using AWS CodePipeline, CodeBuild, and CodeDeploy, cutting release duration and strengthening delivery consistency.
- Applied IAM roles, security groups, and VPC designs aligned with AWS best practices to reinforce cloud security and compliance.
- Designed CloudWatch dashboards, logs, metrics, and alerting frameworks that elevated system reliability and shortened incident-response cycles.

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 

EDUCATION

B.Tech in Computer Science and Engineering,

Madanapalle Institute of Technology and Science

- CGPA: 8.6/10

2019 – 2023
Madanapalle, India