

MURALI KRISHNAN M

DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with over 4+ years of experience in AWS Cloud and on premises environments, specializing in CI/CD automation, containerization, Kubernetes orchestration, and Infrastructure as Code. Skilled in managing large-scale Linux server infrastructure, designing scalable delivery pipelines, and provisioning cloud resources with Terraform and Ansible. Strong track record of improving system reliability, scalability, and operational efficiency across mission-critical production workloads.

TECHNICAL SKILLS

- AWS (EC2, VPC, S3, RDS, EKS, ECR)
- CI/CD Pipelines (Jenkins, GitHub)
- Helm and RBAC
- Linux Server Administration
- Grafana, Prometheus, Loki
- PostgreSQL and MySQL
- Apache, Nginx, Tomcat
- CloudWatch and GuardDuty
- Disaster Recovery and Backup
- AWS Lambda, SNS, SES, SQS
- Terraform and Infrastructure as Code
- Docker and Kubernetes
- Python and Shell Scripting
- Ansible and PowerShell
- Nagios and Zabbix
- MongoDB and Amazon Aurora
- IAM and SSL/TLS Security
- SonarQube and Code Quality
- OS Hardening and Compliance
- CloudFront and CloudFormation

PROFESSIONAL EXPERIENCE

9x Technology — DevOps Engineer

Oct 2025 – Present

Hyderabad, Telangana, India 500081

Environment: AWS, Terraform, Jenkins, Docker, Kubernetes, Helm, Git, GitHub, SonarQube, Grafana, Loki, Python

- Built centralized monitoring and alerting using Grafana, Loki, CloudWatch, and Slack integrations, reducing incident detection time by approximately 50 percent.
- Oversaw CI/CD pipelines for AI-based applications and trading platforms using Jenkins and Git, incorporating SonarQube quality gates for reliable and faster application releases.
- Provisioned complete AWS environments using Terraform modules and Infrastructure as Code practices, standardizing deployments and reducing infrastructure provisioning time by approximately 70 percent.
- Configured Jenkins build agents to distribute workloads, improving build execution efficiency and eliminating pipeline bottlenecks.
- Orchestrated Kubernetes workloads using Helm charts, enabling consistent application deployments, simplified version management, and streamlined release processes across environments.
- Administered and optimized AWS services including EC2, VPC, S3, RDS, Aurora, DocumentDB, ECR, Auto Scaling, CloudFormation, CloudFront, CloudWatch, Amplify, Bedrock, and ACM for scalable, highly available production workloads.
- Developed a Python-based Kubernetes monitoring dashboard and enforced IAM, RBAC, SSL/TLS, and WAF controls, strengthening cloud security and operational visibility.

- Delivered a self-service deployment platform enabling developers to manage environment configurations independently, reducing manual DevOps effort by approximately 35 percent.

Tamil Nadu e-Governance Agency — Server Administrator

May 2022 – Sep 2025

Chennai, Tamil Nadu, India 600002

Environment: Linux, Bash, Jenkins, Ansible, Apache, Nginx, Tomcat, PostgreSQL, MySQL, Grafana, Prometheus, Loki, Nagios, Zabbix, CloudWatch, LVM, RAID, SAN, NAS, SSL/TLS, Trellix

- Oversaw and maintained over 100 physical and virtual Linux servers, ensuring platform stability, performance, and high availability.
- Collaborated with TNSDC, ELCOT, and application teams to provision infrastructure and execute over 30 successful production deployments with minimal downtime.
- Supervised PostgreSQL and MySQL databases, including replication, backup, recovery, migration, and performance optimization.
- Automated repetitive operational tasks using Bash, Jenkins, and Ansible, reducing manual effort by approximately 60 percent and improving deployment consistency.
- Configured Apache, Nginx, Apache Tomcat, and PHP environments and administered enterprise storage platforms including LVM, RAID, SAN, and NAS.
- Applied OS hardening, SSL/TLS management, vulnerability assessment and remediation, and access control policies across more than 100 servers, achieving zero security incidents and maintaining full compliance with government security requirements.
- Deployed monitoring and observability solutions using CloudWatch, Grafana, Prometheus, Loki, Zabbix, and Nagios; conducted Disaster Recovery drills to ensure business continuity.

KEY ACHIEVEMENTS

- Recognized as Project of the Month on three occasions by the CEO for ensuring high availability, performance, and stability of servers handling high-concurrency workloads across multiple projects.
- Designed and delivered an end-to-end one-click infrastructure provisioning platform using Terraform and automation scripts, enabling automated deployment of AWS resources including EKS, EC2, VPC, ECR, RDS, and Redis, integrated with Jenkins CI/CD, Kubernetes, ACM, and Cloudflare DNS, significantly reducing manual DevOps effort.
- Developed a Python-powered internal developer platform (IDP) that streamlined application onboarding by automating environment configuration, Kubernetes resource creation, GitOps updates, Jenkins pipeline orchestration, certificate integration, ingress exposure, and DNS registration, delivering production-ready deployments from a single request while eliminating more than 99% of manual operational tasks.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- Cisco Certified Network Associate (CCNA) – Course Completion

EDUCATION

Bachelor of Engineering — Computer Science and Engineering

2017 - 2021

Knowledge Institute of Technology, Salem, Tamil Nadu