

Melam Chaitanya Kumar

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Professional Summary

Senior DevOps and Cloud Security Engineer with 10 years of experience in cloud infrastructure, automation, and security. Specialized in AWS, Azure, Kubernetes (EKS/AKS), Terraform, and CI/CD pipelines. Extensive experience in Linux system administration, database management (PostgreSQL, AWS RDS, Azure SQL), Kafka streaming, and Hazelcast caching.

Skills

Cloud Platforms:	AWS (EKS, EC2, S3, RDS, IAM), Azure (AKS, Storage, SQL)
Kubernetes:	AWS EKS, Azure AKS, Helm, Kustomize, ArgoCD
Infrastructure Automation:	Terraform, Ansible, CloudFormation
Databases:	PostgreSQL, AWS RDS, Azure SQL, MongoDB
Streaming & Caching:	Kafka, Hazelcast
Operating Systems:	Linux (Ubuntu, CentOS, RHEL), Windows
DevOps Tools:	Jenkins, GitHub Actions, Azure DevOps
Security:	IAM, Encryption, Secrets Management
Observability:	Prometheus, AWS CloudWatch

Work Experience

PMAM IT Service Private Limited

Jan 2021 - Present

DevOps Specialist

- Designed and deployed Kubernetes clusters on AWS EKS and Azure AKS for microservices.
- Automated EC2 instance provisioning and security hardening using Terraform and Ansible.
- Configured and optimized PostgreSQL (AWS RDS, Azure SQL) for high availability.
- Integrated Kafka for real-time streaming and Hazelcast caching for high-performance applications.
- Managed Azure Blob Storage and AWS S3 for scalable object storage.
- Developed CI/CD pipelines using Jenkins and Azure DevOps to automate deployments.
- Implemented role-based access controls (RBAC) and IAM policies for secure cloud operations.

Kohl's Department Stores (Reva Consulting Inc)

Sept 2015 – May 2020

DevOps Engineer

- Deployed AWS EKS and EC2-based applications with Terraform.
- Automated Terraform-based deployments with Jenkins pipelines.
- Managed Git, Jenkins, and Kubernetes for automated build and deployment.
- Integrated Kafka-based data pipelines for log aggregation and streaming.
- Configured Nexus Artifactory for storing artifacts and dependencies.
- Developed Ansible playbooks for infrastructure provisioning.

Reva Consulting Inc

Feb 2014 - Sept 2015

Middleware Engineer

- Managed Linux-based WebLogic servers for middleware applications.
- Created Jenkins master-slave configurations for optimized builds.
- Implemented SSL security and high availability for WebLogic.
- Developed Bash and Python scripts for automation.

Projects

- **AWS EKS & VPC Setup:** Built AWS EKS clusters with Terraform, configured networking, IAM roles, and Auto Scaling.
- **AWS EC2 & Storage Optimization:** Automated EC2 provisioning with security groups and S3 lifecycle policies.
- **Kafka Streaming with AWS MSK:** Deployed Kafka clusters on AWS MSK for log processing and real-time analytics.
- **Azure Kubernetes (AKS) CI/CD Pipeline:** Built AKS clusters and automated deployments using GitHub Actions and Helm.

Publications

- **CodeMaster DevOps:** DevOps Insights and Best Practices on Substack.

Education

Master of Science in Electrical Engineering

2015

Northwestern Polytechnic University, California, USA

Bachelor of Technology in Electronics and Communication Engineering

2013

Jawaharlal Nehru Technological University, Hyderabad