TUSHAR KAND

DevOps Engineer | AWS | Kubernetes | Terraform
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PROFESSIONAL SUMMARY

DevOps Engineer with 1.2+ years of hands-on experience in AWS cloud infrastructure, Kubernetes (EKS), Terraform, and CI/CD automation. Strong background in Linux system administration and containerized application deployments. Experienced in building scalable, secure, and cost-optimized cloud environments, automating infrastructure provisioning, managing production workloads, and implementing monitoring and alerting systems. AWS SysOps and RHCSA certified with a strong focus on reliability, security, and operational excellence.

TECHNICAL SKILLS

DevOps & Cloud Platforms
AWS (EC2, VPC, IAM, EKS, S3, ALB/NLB, CloudWatch, CloudTrail, ECR)

CI/CD & Automation
Jenkins, GitHub, Bitbucket, Terraform, Ansible, AWS CloudFormation

Containers & Orchestration
Docker, Kubernetes (EKS)

Monitoring & Logging
AWS CloudWatch, Prometheus, Grafana

Operating Systems
Linux (Red Hat, Ubuntu, CentOS), Windows

Scripting & Programming
Bash, Shell Scripting, Python

Databases
MySQL, PostgreSQL, Amazon RDS, Redshift

PROFESSIONAL EXPERIENCE
Innovative Techhub – Pune, India

DevOps Engineer / Cloud Engineer (Linux System Administrator)
February 2022 – March 2023

- Designed, provisioned, and managed AWS infrastructure for 80+ EC2 instances using Terraform, enabling repeatable deployments across development, staging, and production environments with 99% uptime.

- Automated infrastructure provisioning and configuration using Terraform and Ansible, reducing manual operational effort by approximately 80% and minimizing configuration drift.

- Managed containerized workloads on AWS EKS, including rolling deployments, pod scaling, and zero-downtime application updates as part of CI/CD workflows.

- Built and maintained CI/CD pipelines using Jenkins for automated build, test, and deployment of containerized applications.

- Implemented end-to-end monitoring and alerting using AWS CloudWatch, Prometheus, and Grafana, significantly reducing MTTR through proactive incident detection.

- Enforced AWS security best practices by implementing IAM roles, least-privilege access policies, security groups, and network controls across multiple environments.

- Collaborated with development and QA teams to deliver Infrastructure as Code solutions, accelerating release cycles and improving deployment reliability.

KEY DEVOPS PROJECTS

AWS Cost Optimization & Intelligent Resource Cleanup Bot February 2025

- Developed a serverless automation platform to identify orphaned and underutilized AWS resources across multi-account environments.

- Implemented cost analysis logic using Python and AWS Lambda to generate daily cost optimization reports.

- Designed approval-based cleanup workflows using SNS notifications and IAM-secured Lambda functions.

- Potential cost reduction impact of 25–40%, supporting FinOps and governance initiatives.

- Tech Stack: AWS Lambda, Python, CloudWatch, SNS, IAM

Enterprise Java Application on AWS – 3-Tier Architecture   April 2025

- Architected and deployed a production-grade 3-tier Java application using EC2, Application Load Balancer, Auto Scaling Groups, and Amazon RDS.

- Implemented Multi-AZ high availability, automated scaling policies, and fault-tolerant design.

- Integrated AWS WAF, security groups, encrypted storage, and IAM roles to enforce defense-in-depth security.

- Enabled centralized logging and monitoring with CloudWatch for performance tracking and incident response.

- Tech Stack: AWS EC2, ALB, Auto Scaling, RDS, WAF, CloudWatch

CERTIFICATIONS

- **AWS Certified SysOps Administrator** – Associate, Amazon Web Services (June 2024)

- **Red Hat Certified System Administrator (RHCSA** – EX200), Red Hat (January 2021)

EDUCATION

Bachelor of Science in Computer Science
IUBH University, Germany
October 2022 – August 2025
GPA: 2.5 (German grading system)
Thesis: Security in the Cloud: A Comparative Study of Kubernetes Security Offerings by Leading Cloud Providers

Diploma in Computer Engineering
Pimpri Chinchwad Polytechnic, India
September 2018 – June 2021
Percentage: 88.86