UTKARSH NANDURKAR

DevOps Engineer | Site Reliability Engineer (SRE) | Cloud & Automation

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PROFESSIONAL SUMMARY

Driven Site Reliability & DevOps Engineer with 2 years of experience designing and operating reliable, scalable, and secure systems in AWS and GCP environments.
Hands-on with Kubernetes, Terraform, and CI/CD pipelines (GitHub Actions, GitLab, ArgoCD) to automate deployment workflows.
Experienced in SLO/SLI implementation, auto-scaling (HPA, VPA, Cluster Autoscaler), and monitoring using Prometheus, Grafana, and Datadog.
Known for solving real production issues, writing automation scripts in Python, and collaborating with teams to improve uptime and reduce on-call fatigue.
Currently exploring AI-assisted monitoring and automated incident remediation for faster response cycles.

EXPERIENCE

DevOps Engineer with 2 years of experience across AWS, CI/CD, Kubernetes, and Infrastructure Automation.

AWS / DevOps Engineer – Ataloud

Oct 2022 – Aug 2024

- Architected and maintained CI/CD pipelines (GitLab, GitHub Actions, ArgoCD) reducing release time by 40%.
- Built multi-environment infrastructure on AWS and GCP using Terraform modules (VPC, EKS, RDS, ECR).
- Implemented Helm charts and Kubernetes autoscaling (HPA, VPA, Cluster-Autoscaler) to enhance scalability and cut idle costs by 25%.
- Defined SLOs and SLIs for core microservices to measure uptime and error budget consumption.
- Enhanced observability stack with Prometheus, Grafana, Datadog, and OpenTelemetry for distributed tracing and AI-based anomaly detection.
- Automated incident remediation with Python and AWS Lambda, integrated Slack alerts for on-call rotation.
- Performed RCA and post-mortem reviews, creating runbooks to reduce MTTR by 30%.
- Conducted load testing (k6, JMeter) to validate SLOs and capacity targets.
- Secured cloud access using IAM, GuardDuty, and Vault, aligning with best practices in compliance and network hardening.

DEVOPS PROJECTS

Terraform AWS Infrastructure – terraform-aws-infra

- Built modular Terraform templates to deploy a multi-tier AWS setup (VPC, EC2, RDS, ECR) with remote backend and tagging for cost control.

Kubernetes Auto-Heal System – kubernetes-labs-cka

- Automated pod recovery using Python + Kubernetes API with Slack alerting and health checks.

Monitoring Stack (Prometheus + Grafana) – monitoring-stack

- Deployed observability stack for EC2 and EKS clusters; added custom metrics, OpenTelemetry traces, and Datadog integration.

DevOps Automation Toolkit (Python) – devops-python-automation

- Automated AWS cleanup (EC2, EBS, S3) and alerting scripts, reducing cloud costs by 20%.

CAREER HIGHLIGHTS

- Improved reliability and reduced alert noise by 30% through SLO/SLI dashboards.
- Cut AWS costs by 20% using Terraform optimizations and automation scripts.
- Delivered 99.9% service uptime through autoscaling and RCA improvements.
- Enhanced observability by deploying Datadog and OpenTelemetry for distributed tracing.

SKILLS

Cloud: AWS, GCP (intermediate), Azure (basic)

Containerization: Docker, Kubernetes, Helm

IaC & Automation: Terraform, Python, Bash, Ansible (basic)

CI/CD: GitHub Actions, GitLab CI/CD, Jenkins, ArgoCD

Monitoring & Observability: Prometheus, Grafana, Datadog, CloudWatch, OpenTelemetry

Scaling & Reliability: HPA, VPA, Cluster-Autoscaler, SLI/SLO metrics, Error Budgets

Security: IAM, GuardDuty, Vault, Security Hub

Networking: VPC, Load Balancers, Route 53, NAT, ACLs

DEVOPS EXPERTISE

• CI/CD PIPELINE AUTOMATION • KUBERNETES DEPLOYMENTS • INFRASTRUCTURE AS CODE (IAC) • GITOPS • CLOUD INFRASTRUCTURE • AUTO SCALING
• HIGH AVAILABILITY SYSTEMS • OBSERVABILITY & MONITORING • LINUX ADMINISTRATION
• RELEASE ENGINEERING • ON-CALL PRODUCTION SUPPORT • CLOUD NETWORKING (VPC, SUBNETS, ROUTING)
• SECURITY & IAM • DISASTER RECOVERY

EDUCATION

Bachelor of Engineering – PRMIT&R, Badnera | 2022 | CGPA: 9.01

Diploma in Engineering – P.R. Pote, Amravati | 2019 | CGPA: 7.1

CERTIFICATIONS

AWS Cloud Practitioner (CPP) – May 2022

Certified Kubernetes Administrator (CKA) – Expected Nov 2025

AWS DevOps Engineer Professional (DOP-C01) – Expected Nov 2025

Keywords: AWS, DevOps, SRE, Kubernetes, Docker, Terraform, CI/CD, GitLab, GitHub Actions, Jenkins, Linux, Python, EKS, CloudWatch, Prometheus, Grafana, Infrastructure as Code, Automation