ANVESH REDDY YERUVA

AWS DevOps Engineer | Multi-Cloud (AWS, Azure, GCP) | Kubernetes | Terraform | CI/CD | Python

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SUMMARY

- AWS DevOps Engineer with 7+ years of experience delivering cloud infrastructure automation using Terraform, Ansible, Python, and Bash across enterprise ecosystems.
- Strong hands-on experience with AWS services including VPC, EC2, S3, IAM, ELB/ALB, Auto Scaling, EBS, EFS, CloudWatch, CloudTrail, and KMS.
- Built and maintained CI CD pipelines using Jenkins and GitHub Actions, integrating version control and deployment automation for repeatable releases.
- Experienced in Linux system administration (Ubuntu/RHEL) and production support with troubleshooting, patching support, and operational best practices.
- Worked on cloud operations activities including monitoring and alerting, backup automation, incident response, and runbook, SOP documentation.
- Exposure to container platforms Docker, Kubernetes (EKS) with basic support for deployments, rollouts, and environment stability.
- Security-first mindset with practical experience supporting IAM least privilege, encryption, logging, and baseline hardening aligned with compliance needs.
- Collaborative engineering partner with strong production support habits: on-call readiness, runbooks, and post-incident improvements.

PROFESSIONAL EXPERIENCE

DevOps Engineer
Charter Communications - Remote | Aug 2025 – Present

- Supported AWS infrastructure provisioning using Terraform, working on VPC, EC2, S3, IAM, security groups, route tables, load balancers, Auto Scaling, EBS, and EFS configurations.
- Assisted in maintaining CI CD pipelines using Jenkins and GitHub Actions, helping teams deliver repeatable builds and deployments through Git based workflows.
- Automated operational and deployment tasks using Python and Bash scripting, improving consistency and reducing manual effort during releases.
- Performed Linux administration tasks on Ubuntu and RedHat systems including service troubleshooting, log review, and basic performance checks.
- Monitored cloud workloads using CloudWatch dashboards and alarms, supporting incident triage, alert response, and uptime improvements.
- Supported patching coordination, baseline server hardening activities, and vulnerability remediation support aligned with internal security standards.
- Assisted with container workload support using Docker and Kubernetes on AWS

EKS, validating deployments and troubleshooting rollout issues.
- Created and updated runbooks and standard operating procedures for deployment readiness, operational support, and troubleshooting steps.

Senior DevOps Engineer
Kwalee, Bengaluru, India | Feb 2022 – Jul 2023

- Owned day-to-day reliability of production environments, partnering with engineers to keep deployments stable and predictable.
- Supported security control alignment and audit readiness by maintaining evidence for logging, access reviews, encryption, and change tracking mapped to NIST 800-53 and FedRAMP Moderate expectations.
- Enabled CloudTrail logging and KMS encryption standards for AWS resources, supporting traceability, incident investigations, and secure data handling.
- Built and improved CI CD pipelines using GitHub Actions and Jenkins with clear build stages, promotion gates, and rollback readiness.
- Standardized Infrastructure as Code using Terraform to provision repeatable environments and reduce configuration drift.
- Worked in environments using Terraform and CloudFormation for infrastructure automation and repeatable deployments.
- Supported Kubernetes operations including cluster health checks, upgrade planning, scaling, and workload troubleshooting to improve deployment consistency.
- Supported container platforms using Docker and Kubernetes and assisted with AWS container services including EKS and ECS to improve workload stability.
- Configured secure AWS networking including VPCs, subnets, route tables, NAT gateways, security groups, and DNS using Route 53 for private workloads and controlled outbound access.
- Supported AWS infrastructure components including load balancers, EBS, and EFS to improve resilience and storage reliability for services.
- Strengthened observability using CloudWatch dashboards, alarms, and log-based troubleshooting to reduce incident triage time.
- Improved alert quality by tuning thresholds and reducing noisy alerts so on-call signals were actionable.
- Automated operational tasks using Python and Bash, reducing manual effort for environment bootstrap, validations, and routine checks.
- Applied Ansible for configuration consistency across hosts, improving repeatability and reducing configuration variance.
- Supported system administration tasks across Ubuntu, RedHat Linux, and Windows Server environments including troubleshooting, service management, and operational readiness.
- Supported server hardening baselines, patching coordination, and vulnerability remediation activities aligned with security controls and audit expectations.
- Worked across AWS, Azure, and GCP to support environment provisioning, access controls, and deployment consistency, aligning infrastructure patterns across teams.
- Improved secrets-handling practices by reducing exposure risks and ensuring pipeline credentials were managed correctly.
- Collaborated on access control hygiene using IAM least privilege, role separation,

and periodic access reviews.

- Assisted with database operational support for PostgreSQL and MySQL including connectivity troubleshooting and backup and restore awareness.
- Documented runbooks and deployment procedures, enabling self-service for engineers and reducing dependency on tribal knowledge.

DevOps Engineer -> Sr. DevOps Engineer
Side Inc, Hyderabad, India | Aug 2016 – Feb 2022

- Built and improved CI CD pipelines using Jenkins and GitHub Actions with clear stages, environment promotions, and rollback readiness.
- Implemented cloud security baseline patterns using IAM least privilege, encryption standards, and centralized logging while maintaining documentation for security reviews and compliance evidence.
- Automated build and release workflows to reduce manual steps, improve repeatability, and increase deployment confidence.
- Designed and supported AWS networking and infrastructure patterns like VPC, subnets, routing, security groups, IAM, load balancing, autoscaling, EBS, and EFS.
- Supported AWS services including load balancers, EBS, and EFS to improve reliability and scalable storage for workloads.
- Provisioned and standardized environments using Infrastructure as Code with Terraform, reducing drift and speeding up onboarding for new services.
- Created reusable Terraform modules and improved state management practices for consistent infrastructure changes across environments.
- Supported containerized deployments using Docker and helped teams adopt Kubernetes-based deployment patterns for microservices.
- Assisted with AWS container platforms including ECS and Fargate to support workload deployment patterns and environment stability.
- Improved Docker image lifecycle practices including tagging, versioning, base image consistency, and artifact cleanup to keep releases reliable.
- Strengthened observability using AWS CloudWatch dashboards, alarms, and log insights to speed troubleshooting and reduce MTTR.
- Tuned alert thresholds and reduced noisy notifications so on-call alerts were actionable and prioritized correctly.
- Wrote Python and Bash automation scripts for provisioning helpers, deployment tooling, health checks, log collection, and routine maintenance tasks.
- Used Ansible for configuration consistency across hosts and services, reducing manual variance between environments.
- Performed Linux administration support on Ubuntu and RedHat Linux including troubleshooting, log analysis, and service validation.
- Assisted with patching support, baseline hardening practices, and vulnerability remediation support for secure cloud operations.
- Partnered with developers to troubleshoot pipeline failures, deployment issues, and production performance and reliability problems.
- Supported secure access patterns using IAM least privilege, role separation, and safer credential handling within CI CD pipelines.
- Improved operational readiness through runbooks, release checklists, and standard operating procedures for common incidents.

- Participated in on-call rotations, led incident triage, and drove post-incident actions to prevent repeat outages.
- Assisted with PostgreSQL and MySQL operational support including connectivity troubleshooting, basic performance triage, and backup and restore awareness.
- Contributed to cost optimization through tagging and ownership practices, cleanup routines, and rightsizing recommendations.

TECHNICAL SKILLS

AWS CLOUD	EC2, S3, VPC, IAM, ELB/ALB, Auto Scaling, Route 53, RDS, CloudWatch, CloudTrail, KMS, Systems Manager, EBS, EFS, ECS, EKS, Fargate
OPERATING SYSTEMS	Ubuntu, RedHat Linux (RHEL), Windows Server 2016/2019/2022, troubleshooting, system services, user/group management, basic patching and hardening
CONTAINERS & ORCHESTRATION	Docker, Kubernetes, Helm, container image lifecycle, rollout and rollback strategies, autoscaling concepts
INFRASTRUCTURE AS CODE & CONFIGURATION	Terraform (modules, remote state, environment provisioning), Ansible, reusable infrastructure patterns, drift reduction
CI/CD & SOURCE CONTROL	Git, GitHub, GitHub Actions, Jenkins, pipeline design (build/test/deploy gates), artifact versioning, release workflows
OBSERVABILITY & OPERATIONS	CloudWatch (metrics/logs/alarms/dashboards), log review & troubleshooting, incident triage, runbooks, post-incident improvements
SCRIPTING & AUTOMATION	Python (automation/tooling), Bash, automation scripts for deployment and ops tasks, CLI-based workflow improvements
DATABASES	PostgreSQL, MySQL (basic administration support, backups/restore awareness, query support)
SECURITY / DEVSECOPS	IAM least privilege, KMS encryption, CloudTrail logging, server hardening, patching, vulnerability remediation support, backup automation

EDUCATION

Master of Science in Computer Information Systems
Christian Brothers University, Memphis, United States   Graduated: May 2025

- Focused on Cloud Infrastructure, DevOps practices, and system administration.
- Hands-on work in AWS, automation with Python, and infrastructure fundamentals.

Bachelor of Technology in Electronics and Communications Engineering
ICFAI University, Hyderabad, India   Graduated: July 2016

ACADEMIC PROJECTS

Cloud Infrastructure Management with AWS
Environment: AWS (EC2, VPC, ELB, ALB, Auto Scaling, EBS, EFS, S3, RDS, IAM, CloudWatch, CloudTrail, KMS), Python, Lambda

- Enabled CloudTrail logging and KMS encryption for audit visibility and secure data handling.
- Designed and provisioned a multi-tier AWS environment using EC2, RDS, and S3 for a sample web application with high availability in mind.
- Implemented IAM roles and policies to enforce least-privilege access across services and users.
- Configured load balancing and Auto Scaling policies to handle traffic changes and improve resilience.
- Built CloudWatch dashboards and alarms to monitor utilization, error signals, and service health.
- Developed Lambda automation to archive logs and trigger scheduled backups to S3, reducing manual ops tasks.

CI/CD Pipeline Automation for Containerized Application
Environment: GitHub Actions, Docker, Terraform, Bash, Python

- Built an end-to-end CI/CD pipeline to build, version, and publish Docker images with environment-based deployments.
- Implemented gated deployments with approval steps and artifact versioning to improve release control.
- Automated infrastructure provisioning using Terraform to keep dev/stage/prod consistent and reproducible.
- Added basic safety checks (linting, config validation) and failure notifications to improve pipeline reliability.
- Documented release steps and rollback approach to support repeatable deployments.

Kubernetes Deployment & Operations
Environment: Kubernetes, Helm, Docker, CloudWatch, Bash

- Deployed containerized services to Kubernetes using Helm charts with configurable values per environment.
- Implemented rolling updates and validated rollback behavior to reduce deployment risk.
- Configured resource requests and basic autoscaling concepts to support stable runtime behavior.
- Created operational runbooks for common failures (pod restarts, image pull issues, misconfigurations).
- Improved observability with basic metrics review to support faster troubleshooting.

DevOps Delivery Metrics Dashboard
Environment: Power BI, SQL, Excel

- Built dashboards to track delivery and operational signals such as deployment frequency, pipeline duration, failure rates, and environment stability.
- Modeled pipeline and release data in SQL and created calculated measures for trend analysis over time.
- Created interactive views so stakeholders could drill into releases by service, environment, and timeframe.
- Automated refresh and reporting cadence to keep metrics current for planning and improvements.
- Used insights to propose pipeline optimizations and reduce recurring failure patterns.

CERTIFICATION

- [AWS Certified Solutions Architect - Professional](#)
- [Advanced Certificate Programme in DevOps – IIIT, Bangalore](#)