

Abhiram Reddy Peddireddy

DevOps Engineer

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SUMMARY

DevOps Engineer with 3.6 years automating cloud infrastructure for regulated banking and healthcare environments, delivered through continuous engagement with a single IT consulting employer across three enterprise client accounts.

Cut manual cloud operations 70% through Python/Lambda automation, migrated live security-policy infrastructure across environments with zero downtime, and reduced Kubernetes configuration drift 25% through Terraform standardization on AWS.

CORE SKILLS

Cloud & IaC: AWS (EC2, ECS, EKS, Lambda, IAM, VPC, Route 53, Secrets Manager, CloudWatch), Terraform

Containers & CI/CD: Kubernetes, Docker, Jenkins, GitHub Actions

Automation & Scripting: Python, Bash, Ansible

Security & Compliance: IAM, encryption, network segmentation, SOC, HIPAA

Monitoring: DataDog, CloudWatch

PROFESSIONAL EXPERIENCE

Client Engagement: CapitalOne (Dallas, TX) (C2H)

Cloud & Infrastructure Engineer | Jun 2024 – Apr 2025 | staffed via DataQuad Inc till EOC

- Cut manual cloud operations and patching workload by 70% by engineering Python-based AWS Lambda automations integrated with Jenkins and SmartOps.
- Migrated Security Group policy definitions from Terraform to YAML (OneCloud 2.0) across all environments with zero downtime, preserving full policy integrity and traffic-control continuity.
- Standardized Terraform modules across dev, staging, and production, eliminating environment drift and removing inconsistent provisioning across the account footprint.
- Embedded IAM, encryption, and network-segmentation standards into every Terraform-managed resource, passing 15+ consecutive InfoSec security reviews and annual compliance audits with zero high-severity findings.
- Owned full-cycle production support — provisioning, patching, incident response, and forensic investigation — across 25+ AWS accounts and 500+ cloud resources supporting critical enterprise banking infrastructure.

Client Engagement: Flexera (Chicago, IL) (C2H)

DevOps Engineer | Mar 2023 – May 2024 | staffed via DataQuad Inc (Mar 2023 - August 2023) and Techempo Inc (August 2023 - EOC)

- Reduced Kubernetes configuration drift by 25% and enforced hardened, compliant cluster deployments by automating cluster lifecycle management with Terraform.
- Increased CI/CD test coverage by 45% by embedding automated testing into Terraform-integrated pipelines, raising release reliability and deployment confidence.
- Built GitHub Actions CI/CD pipelines integrated with Terraform for AWS provisioning and application deployment, cutting deployment errors and rollbacks by 60%.
- Secured 50+ production API Gateway endpoints via Terraform-managed AWS ACM (TLS) and Secrets Manager, eliminating plaintext credential handling.
- Improved audit readiness by establishing cloud security baselines and compliance standards, cited in 10+ internal and external security audits with zero major findings.

Client Engagement: Kaiser Permanente (Seattle, WA) (C2H)

Junior System Administrator | Dec 2021 – Mar 2023 | staffed via VedamSoft Inc (Dec 2021 - May 2022) and DataQuad Inc (May 2022 - March 2023)

- Improved compliance posture by 25% by managing SSL/TLS renewals and conducting LDAP audits across mission-critical healthcare systems.
- Delivered zero-downtime SSL deployments by coordinating cutovers with load-balancing teams across production virtual IPs (VIPs).

- Reduced configuration drift and cut recovery time by 65% by automating server configuration with Ansible and maintaining Git-based version control and rollback.
- Hardened Nginx and Apache Tomcat configurations, shrinking external attack surface across 100+ production servers.

PROJECTS

Resilient & Scalable AWS Web Application — github.com/Abhi4004/AWS-CapStone-Project

- Architected a multi-AZ, highly-available AWS environment (VPC, ALB, Auto Scaling, Golden AMI, EFS); load-tested to confirm automatic scale-out/scale-in under CPU thresholds.

Automated CI/CD Pipeline for AWS EKS — github.com/Abhi4004/tf-eks-ci-cd

- Built an end-to-end Jenkins pipeline automating build, containerization, and deployment to Terraform-provisioned AWS EKS, reducing manual deployment steps to zero.

EDUCATION

- M.S., Information Technology — University of the Cumberland (2022–2024)
- MBA, Management Information Systems — Indiana University of Pennsylvania (2020–2022)

CERTIFICATIONS

- AWS Certified Developer – Associate (2025)