

Sandeep K

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Professional Summary

AWS/DevOps Engineer with 4+ years in cloud infrastructure automation, CI/CD, containerization, and security. Hands-on with IaC (Terraform, AWS CloudFormation), containers (Docker, Kubernetes), and observability (Amazon CloudWatch; ELK—Elasticsearch, Logstash, Kibana; Prometheus; Grafana). Track record of reducing deployment errors, accelerating releases, improving resilience, and optimizing AWS cost in enterprise environments.

Technical Skills

Languages: Bash, Python, SQL, JavaScript

Cloud Platforms: Amazon Web Services (Amazon EC2, Amazon S3, AWS Identity and Access Management (IAM), Amazon RDS, AWS Lambda, Amazon VPC, Amazon CloudWatch)

DevOps & CI/CD Tools: Terraform, AWS CloudFormation, Docker, Kubernetes, Jenkins, GitHub Actions, Ansible

Monitoring and Logging: Amazon CloudWatch, ELK (Elasticsearch, Logstash, Kibana), Prometheus, Grafana

Other Tools: Jira, ServiceNow, Postman, Linux, Windows, Git

Professional Experience

AWS/DevOps Engineer, Wells Fargo – Charlotte, NC

May 2023 – Present

- Automated multi-account AWS provisioning using Terraform modules (VPC, subnets, security groups, IAM roles) with S3 remote state and DynamoDB locking; added policy-as-code to prevent drift.
- Built CI/CD in Jenkins and GitHub Actions with approvals, environment promotions, artifact versioning, and zero-downtime rolling deployments via Auto Scaling and Elastic Load Balancing health checks.
- Implemented observability using Amazon CloudWatch metrics/logs/alarms/dashboards; integrated alerting via Amazon SNS to reduce MTTR.
- Strengthened security with least-privilege IAM, AWS KMS encryption, S3 bucket policies, VPC Flow Logs, and centralized secrets via AWS Systems Manager Parameter Store/AWS Secrets Manager (with rotation).
- Optimized cost via instance right-sizing, RDS storage autoscaling, and S3 lifecycle transitions while maintaining SLAs and availability targets.
- Deployed highly available stacks on Amazon EC2 and Amazon RDS behind Application/Network Load Balancers; enforced segmentation with NACLs/private subnets; access via bastion/NAT.
- Standardized reusable IaC modules and runbooks to improve reliability and onboarding speed.

DevOps Engineer, DXC Technology – India

Oct 2020 – Jul 2022

- Designed secure AWS foundations (Amazon VPC, IAM, Amazon EC2, Amazon S3, Amazon RDS) with tagging, automated backups, and hardened AMIs for compliance and governance.
- Automated provisioning with Terraform and configuration with Ansible roles/playbooks, reducing manual effort and drift across environments.
- Built multibranch Jenkins pipelines (Git webhooks) for static checks, unit tests, image builds, security scans, and deployments to Amazon EC2/ECR.
- Centralized logging with ELK and Amazon CloudWatch Logs; created Kibana dashboards for proactive monitoring and RCA.
- Authored reusable Terraform modules; enforced S3 + DynamoDB remote state and workspace strategy across dev/test/prod.

Certifications

- AWS Certified Solutions Architect – Associate (Amazon Web Services)
- AWS Certified Cloud Practitioner (Amazon Web Services)

Education

Master of Science (M.S.) in Computer Science

Campbellsville University, Kentucky

May 2024

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Jawaharlal Nehru Technological University Hyderabad (JNTUH), India

Sep 2020