Nitin Kavale

AWS Infrastructure Engineer

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PROFESSIONAL SUMMARY

AWS Infrastructure Engineer with 3+ years of experience designing, deploying, and managing scalable, secure, and cost-optimized solutions across **AWS, Azure, and GCP.** Strong expertise in Infrastructure as Code using **Terraform, CI/CD pipelines (Jenkins, Git), containerization (Docker, Kubernetes)**, and **Linux** systems. Proven ability to automate cloud workflows, implement high-availability and disaster recovery architectures, and enforce cloud security best practices. Hands-on experience with monitoring, performance optimization, and DevOps practices to deliver reliable, resilient cloud infrastructure.

AWS | Azure | GCP | DevOps | Terraform | Docker | Kubernetes | Jenkins | Git | Linux | CI/CD | Cloud Security | Monitoring & Logging

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, IAM, VPC, RDS, EKS, CloudWatch, Lambda), GCP (BigQuery, Compute Engine, GKE, Cloud Storage, IAM, Cloud Build, GCP Workflow), Azure

IAC Management Tools: Terraform, Ansible

CI/CD Tools: Jenkins

Version Control System: Git, GitHub

Containerization & Orchestration: Docker, Kubernetes

Scripting Languages: Bash, Python, YAML, R

Monitoring & Logging: Prometheus, Grafana, CloudWatch

Databases: MySQL, Amazon RDS, Cloud SQL

Build & Code Quality: Maven, SonarQube

Ticketing Tool: Jira

PROFESSIONAL EXPERIENCE

AWS Infrastructure Engineer, Fiserv India Pvt Ltd - Pune   Feb 2023 – Present

- Administered Linux servers by creating users and packages, configuring services, managing file permissions, analyzing log files, and performing process management.
- Managed AWS infrastructure resources including **EC2, VPC, S3, IAM, EBS, Security Groups, Auto Scaling, ELB, Route 53, and EFS.**
- Designed and deployed **VPC components** such as subnets, route tables, network ACLs, NAT gateways, VPC peering, and security groups.
- Enabled secure access for private instances to the internet via **NAT gateways and bastion hosts.**
- Attached/detached and mounted/unmounted **EBS volumes** as per requirements.
- Managed **S3 buckets** for storage lifecycle, versioning, and access policies.
- Designed and implemented **Auto Scaling Groups** and **Load Balancers** for high availability.
- Created and managed **IAM roles, policies, and users** to ensure fine-grained access control.
- Automated infrastructure provisioning using **Terraform** (Infrastructure as Code).
- Used **GitHub** for version control to manage and track code changes across development teams.
- Developed and maintained **CI/CD pipelines**, reducing release times by 10%.
- Leveraged **Ansible** for configuration management and server automation.
- Integrated **Docker** into CI/CD workflows to support container-based microservices deployments.
- Conducted **cost optimization** analysis and implemented strategies to reduce AWS expenditures.
- Worked with **Kubernetes** to deploy, manage, and maintain containerized applications.
- Automated infrastructure provisioning using **Terraform**, reducing deployment time by 45%.
- Managed data solutions using **BigQuery, Cloud SQL, and Cloud Storage.**

Maintenance Supervisor, Star Fabricators, Jalgaon   Jun 2019 – Dec 2022

- Supervised the **installation, commissioning, and maintenance of MCB control panels**, ensuring adherence to electrical safety standards.
- Monitored daily operations and performance of MCB panels to **prevent electrical faults** and ensure system reliability.
- Lead and managed a team of **electricians and technicians** in conducting preventive maintenance, troubleshooting, and repair of electrical systems.
- Conducted **routine inspections and tests** to identify electrical issues, minimizing downtime through timely corrective actions.
- Maintained accurate documentation of **maintenance activities**, equipment status, **incident reports**, and compliance records.

PROJECT

Project Name: United Healthcare
Client: United Healthcare, USA
Domain: Hospitality, Pharma Insurance

Project Description: Developed cloud infrastructure to support healthcare analytics, diagnostics, and insurance services. The project involved deploying secure and scalable solutions for managing sensitive health data and facilitating real-time analytics.

Roles & Responsibilities:

- Creating AWS Infrastructures.
- Designed and deployed AWS infrastructure to support healthcare applications.
- Designed, deployed, and managed **AWS infrastructure, including VPC, EC2, S3, RDS, and IAM policies**.
- Stored Terraform code in Git repositories to ensure version control and collaboration.
- Automated workflows using **Terraform** and **Jenkins** for consistent and efficient operations.
- Integrated Docker containers for microservices deployment and management.
- Implemented monitoring and logging to ensure infrastructure reliability and quick issue resolution.
- Supported multiple environments **(SIT, UAT, Pre-Prod, Prod.)** to facilitate smooth development and deployment cycles
- Monitored infrastructure performance and availability using **CloudWatch, Prometheus, and Grafana**.

EDUCATION

Government College of Engineering   **Jalgaon, Maharashtra**
Bachelor of Engineering in Electrical   July 2017

CERTIFICATIONS

- **AWS / DevOps Certification - External Certification,** Fusion Software Institute, Pune
- **GCP Associate Cloud Engineer - Google Cloud Certification**
- **GCP Data Engineer - Google Cloud Certification**