Devender Singh

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DevOps Engineer (Fresher) | AWS | Docker | Kubernetes | Jenkins | Terraform | Ansible | CI/CD | Linux | Git | ELK

PROFESSIONAL SUMMARY

DevOps Engineer with strong hands-on experience through real-world projects in cloud infrastructure automation and CI/CD implementation. Proficient in designing AWS-based architectures, containerizing applications, managing Kubernetes workloads, and provisioning infrastructure using Infrastructure as Code. Experienced in monitoring, logging, and troubleshooting cloud-native systems with a focus on scalability, reliability, and automation.

TECHNICAL SKILLS

Cloud: AWS (EC2, VPC, S3, IAM, RDS, CloudWatch, ALB, Auto Scaling)

CI/CD: Jenkins, Git, GitHub, Maven, Nexus

Containers & Orchestration: Docker, Kubernetes (EKS), Docker Compose

Infrastructure as Code: Terraform, CloudFormation (Basic)

Configuration Management: Ansible

Scripting: Bash / Shell, Python

Monitoring & Logging: CloudWatch, Logs & Alerts, Grafana, ELK Stack, Prometheus

Operating System: Linux (Ubuntu)

Networking: VPC, Subnets, NAT, Network ACLs, Routing, Load Balancers, DNS

PROJECTS

High-Availability 3-Tier Architecture on AWS & End-to-End DevOps Automation

Tech Stack: AWS, Jenkins, Docker, Kubernetes (EKS), Terraform, Git, Prometheus, Grafana

- Designed and implemented a scalable three-tier architecture using VPC, EC2, RDS (Multi-AZ), Application Load Balancer, and Auto Scaling.
- **Provisioned** and managed cloud infrastructure using **Terraform**, following Infrastructure as Code best practices.
- Built **CI/CD** pipelines using **Jenkins** and GitHub to automate application build and deployment workflows.
- Containerized applications using **Docker** and deployed them to **Kubernetes** (EKS) using declarative manifests.
- Configured monitoring dashboards and alerts using CloudWatch and Grafana to track system health and performance.
- Applied **IAM** least-privilege policies and security best practices to protect cloud resources.
- Troubleshot **deployment** failures, IAM permission issues, and Kubernetes **container** restart problems.

EDUCATION

Shivalik College Of Engineering, Dehradun
Bachelor of Technology in Electrical & Electronic Engineering 73% 2023
Diploma in Electrical Engineering 76% 2020