

ABHISHEK SHARMA

AWS DEVOPS ENGINEER

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SUMMARY

DevOps Engineer with 2+ years of experience at HCL, specializing in the Cisco project. Expertise in creating automated deployment pipelines, managing cloud infrastructure, and optimizing system performance. Proficient in DevOps tools and practices, driving seamless development operations and infrastructure as code. Strong problem-solving skills and a commitment to efficient, scalable, and secure environments.

TECHNICAL SKILLS

- Cloud Platforms: AWS
- Containerization: Docker, Kubernetes
- CI/CD Pipelines: Jenkins, GitLab CI, GitHub Actions
- Configuration Management: Ansible
- Monitoring & Logging: Prometheus, Grafana, ELK Stack
- Infrastructure as Code: Terraform, AWS CloudFormation
- Scripting Languages: Python, Bash, PowerShell
- Version Control: Git, GitHub
- Operating Systems: Linux, Windows
- Other Tools: Helm, Nginx, apache, Packer, Tomcat

PROFESSIONAL EXPERIENCE

HCL Technologies – DevOps Engineer (Cisco Project)

Jan 2022 - Present

- Spearheaded the automation of the deployment pipeline for multiple services, reducing manual effort by 40%.
- Architected and implemented scalable CI/CD pipelines using Jenkins integrated with Docker and Kubernetes, improving deployment efficiency by 25%.
- Managed and monitored infrastructure on AWS, ensuring high availability and disaster recovery setups.
- Utilized Terraform for Infrastructure as Code (IaC) to automate and standardize infrastructure provisioning, enabling rapid and consistent environment deployments.
- Implemented Docker-based containerization for applications, allowing smooth and portable deployments across environments.
- Led efforts in optimizing Kubernetes clusters, resulting in improved resource utilization and cost savings on cloud infrastructure.
- Developed custom Python and Bash scripts for automation of repetitive tasks, reducing manual intervention and improving team productivity.
- Integrated logging and monitoring systems (Prometheus, Grafana, ELK Stack) for proactive monitoring of production environments, drastically reducing downtime.
- Worked closely with development and QA teams to improve continuous integration processes, leading to faster feedback cycles and more reliable releases.
- Implemented security best practices, including automated vulnerability scans and cloud security audits, ensuring compliance with corporate security policies.

KEY ACHIEVEMENTS

- Successfully reduced build and deployment times by 30% through pipeline optimizations.
- Played a key role in migrating legacy systems to microservices architecture on Kubernetes.
- Ensured 99.9% uptime of critical services by automating failover and recovery processes.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science Sanskriti University	2018 - 2022
Intermediate RAMA University	2017 - 2018
HIGH School BNPS Delhi	2015 - 2016

PROJECTS & ACCOMPLISHMENTS

Automated CI/CD Pipeline for Cisco Applications

- Designed and deployed a CI/CD pipeline using Jenkins for automated builds, testing, and deployment of microservices to Kubernetes clusters on AWS.
- Reduced overall release cycle time by 35%.

Infrastructure as Code Implementation (Terraform)

- Developed and maintained reusable Terraform modules for provisioning AWS infrastructure.
- Automated the setup of VPCs, EC2 instances, RDS, and S3 buckets, cutting provisioning times from days to minutes.

Kubernetes Optimization for Cisco Applications

- Led the optimization of Kubernetes clusters for Cisco's applications, improving resource allocation, scaling efficiency, and reducing cloud costs by 15%.

TECHNICAL PROFICIENCY

- DevOps Tools: Jenkins, GitLab CI, GitHub Actions
- Cloud Infrastructure: AWS (EC2, S3, RDS, VPC, IAM, CloudWatch, AWS Cloudpipeline, Lambda, EKS)
- Containerization & Orchestration: Docker, Kubernetes
- Scripting & Automation: Python, Bash, PowerShell
- Monitoring & Logging: Prometheus, Grafana, ELK Stack
- Infrastructure as Code: Terraform, AWS CloudFormation
- Version Control: Git, GitHub