JEEVA V

AWS DEVOPS ENGINEER/SRE

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Professional Summary

- AWS DevOps Engineer with **3.4 years** of experience in designing, automating, and optimizing cloud-based CI/CD pipelines, infrastructure provisioning, and monitoring solutions. Strong expertise in **AWS services, Kubernetes, Terraform, Jenkins, and scripting (Shell & Python).** Passionate about DevOps best practices, automation, and site reliability engineering (SRE).

Technical Skills

Skill Category	Specific Skills
Linux Administration	RedHat, Ubuntu
Cloud Technology	AWS (EC2, S3, RDS, VPC, IAM, CloudWatch, Lambda, EKS, Route 53, Auto Scaling, ELB, SNS)
Version Control	Git/GitBash/GitHub
Continuous Integration	Jenkins, CI/CD, Maven, ArgoCD.
Continuous Deployment	GitOps, ArgoCD.
Containerization	EKS, Docker, Kubernetes (K8s).
Configuration Management	Terraform(IAC), Ansible.
Security Compliance	SonarQube, TRIVY, OWASP Dependency Check.
Monitoring & Analytics	Prometheus, Grafana, CloudWatch & Dynatrace.
Scripting	Shell/bash scripting, Python, SQL(MySql), Groovy, YAML.
Ticketing Tool	ServiceNow, Jira

Professional Experience

- **DevOps Engineer | HCL Technologies**
- January 2022 - Present
- Bangalore, India

Education Qualification:

- Bachelor of Engineering (B.E.)
- Anna University, Chennai, India

Projects

Project 1#	Merck
Organization	HCL Tech
Duration	January 2022 to October 2022
Tools & Technology Used	Git, Shell/bash scripting, Python, Jenkins, Docker, Kubernetes, ArgoCD, Ansible, Terraform, AWS, RedHat, Ubuntu, Splunk, Prometheus, Grafana
Role	DevOps Engineer
Responsibilities	➢ Build Continuous Integration & Continuous Deployment (CI/CD) pipeline using Jenkins and Argo CD. ➢ Write Docker files for application deployment. ➢ Manage source code repository using GitHub. ➢ Deploy applications using Argo CD. ➢ Manage Pods in an EKS cluster. ➢ Integrate code quality tools like SonarQube. ➢ Integrate security analysis tools like Trivy Scanner. ➢ Integrate JFrog for artifact management. ➢ Create dashboards using Grafana for monitoring. ➢ Prepare high-level documentation on installation and configuration. ➢ Support critical delivery/release fixes during P1 issues and find RCA. ➢ Create GitHub webhooks to automate Jenkins jobs. ➢ Use JIRA for ticket tracking.

Project 2#	State Street Bank and Trust Company in US
Organization	HCL Tech
Duration	November 2022 to Present
Tools & Technology Used	Git, Shell scripting, Python, Jenkins, Docker, Kubernetes, ArgoCD, Ansible, Terraform, AWS, RedHat, Ubuntu, Splunk, Prometheus, Grafana, Apache Tomcat, nginx, JBoss.
Role	DevOps, Cloud, Kubernetes & Linux Admin.
Responsibilities	- Continuous Integration (Jenkins): Developed, maintained, and troubleshooted CI/CD pipelines for automated software delivery. - Continuous Deployment (ArgoCD): Automated application deployments and management in Kubernetes environments. - Build Automation (Maven): Managed project builds, dependencies, and configurations for Java applications. - Testing (JUnit): Developed and executed unit tests to ensure code quality and functionality. - Linux Administration: Configured and maintained RedHat/Ubuntu systems for optimal performance and security. - AWS: Deployed and managed AWS services, automating resource provisioning for cost-efficiency. - Containerization (Docker & Kubernetes): Designed and orchestrated containerized applications for scalability. - Configuration Management (Ansible): Automated configuration management tasks using reusable playbooks and roles. - Infrastructure as Code (Terraform): Implemented IaC for provisioning and managing cloud resources efficiently. - Monitoring & Analytics (Splunk, Prometheus & Grafana): Configured and maintained monitoring tools for log analysis and system monitoring. - Scripting (Shell Scripting & Python): Developed automation scripts to streamline operational tasks. - Security Hardening: Implemented security best practices and hardening measures for Linux systems and cloud infrastructure, ensuring compliance with industry standards and regulations. Conducted regular security audits, vulnerability assessments, and penetration testing to identify and mitigate potential risks. - Service Management (ServiceNow): Managed IT service workflows and incident/problem tracking to improve operational efficiency. - Project Management (JIRA): Used for ticket tracking and agile project management.

Achievements:

- **Increased CI/CD efficiency:** Automated the build and deployment pipeline, cutting release times by **50%**, leading to faster and more reliable deployments.

- **Cost optimization:** Migrated on-prem infrastructure to **AWS**, resulting in a **40% reduction** in infrastructure costs while improving scalability.

- **System performance improvement:** Optimized **database queries** and **server configurations**, reducing response times by **20%** and improving system efficiency.

- **High Availability:** Developed a **disaster recovery plan** ensuring **99.99% uptime** for critical applications, providing increased business continuity.

- **Team Collaboration & Mentoring:** Actively participated in knowledge-sharing sessions and mentored junior team members on **DevOps practices**, **cloud infrastructure**, and **security**.

- **Security enhancements:** Implemented rigorous **security measures** and **vulnerability assessments** that reduced security breaches by **90%**.

- **Process optimization:** Automated multiple manual processes, saving **10+ hours per week** on operational tasks.

- **Incident Response & Resolution:** Reduced incident resolution time by **30%** by implementing proactive monitoring and alerting mechanisms.

- **Performance Tuning:** Optimized **Kubernetes cluster** configurations, leading to **25% better resource utilization** and **cost savings** on cloud compute resources

Soft Skill:

- **Problem-Solving:** Demonstrated a strong ability to troubleshoot complex technical issues and find efficient solutions under pressure.

- **Team Collaboration:** Worked effectively in cross-functional teams, fostering collaboration between development, operations, and security teams.

- **Communication:** Ability to explain technical concepts clearly to non-technical stakeholders, ensuring smooth communication in agile environments.