

SREEHARINATH PEETLA

DevOps Engineer | AWS | Kubernetes | CI/CD | Terraform | Jenkins

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Availability: Immediate

PROFESSIONAL SUMMARY

DevOps Engineer with 4+ years of experience building and managing Kubernetes (EKS, OpenShift) and AWS platforms for banking and media streaming clients. Experienced in CI/CD automation using Jenkins and GitHub Actions, Infrastructure as Code with Terraform and Ansible, monitoring and logging, and secrets management with HashiCorp Vault. Improved environment setup time from days to under 1 hour, reduced incident downtime by 70%, AWS costs by 30%, and MTTD by 40%, while maintaining 99.9% platform availability across 15+ microservices.

TECHNICAL SKILLS

Cloud: AWS (EKS, EC2, S3, Lambda, IAM, VPC, Route 53, ALB/NLB, KMS, CloudWatch)

Containers: Kubernetes, OpenShift, Docker, Helm, Istio

CI/CD: Jenkins, GitHub Actions

IaC & Automation: Terraform, Ansible, YAML, Jinja2, Bash

Monitoring & Logging: Prometheus, Grafana, Kibana, Fluentd

Security: HashiCorp Vault, Snyk, SonarQube, Trivy

Artifacts & SCM: JFrog Artifactory, Nexus, Git, GitHub

OS & Tools: Linux (RHEL, Amazon Linux, Ubuntu), Jira, Confluence, ServiceNow

KEY ACHIEVEMENTS

- Recognized by CIBC leadership for stabilizing release pipelines across **15+ microservices**, achieving **zero-downtime promotions** to production.
- Established Prometheus and Grafana monitoring at Tata Play and created a reusable monitoring template for new microservices.
- Created runbooks and remediation playbooks in Confluence that were used by the on-call team for incident handling.

PROFESSIONAL EXPERIENCE

System Engineer (DevOps) | Tata Consultancy Services | Client: CIBC (Banking) May 2024 – Jun 2026
Operated the CI/CD and Kubernetes delivery platform for a Tier-1 Canadian bank on Red Hat OpenShift 4.x across 8 environments (DEV, DIT, SIT, PIT, QA, UAT, STAGE, PROD).

- Built CI/CD pipelines using **Jenkins and GitHub Actions** with SonarQube quality gates, JFrog Artifactory image promotion and gated approvals for Stage/PROD.
- Deployed **15+ microservices** on **RHOCP**; managed Routes, DeploymentConfigs and BuildConfigs and enforced namespace lifecycles, ResourceQuotas and RBAC; sustained **99.9% availability**.
- Managed multi-stage promotion with per-stage Helm values files (dev to prod) and Helm chart versioning and rollback, with **Vault dynamic secret injection**.
- Reduced **MTTD by 40%** by deploying Prometheus exporters as Helm sidecars, configuring ServiceMonitors/PodMonitors for application and Istio metrics, and provisioning Grafana dashboards and alert rules.
- Improved **MTTR by 35%** by centralizing application logs with **Fluentd and Kibana**, making it easier to correlate logs with application metrics.
- Implemented Istio traffic mirroring and canary routing across **5+ services**, secured with mutual TLS (mTLS), for **zero-downtime releases**.
- Integrated **HashiCorp Vault** dynamic secrets (AppRole, KV v2, Agent Injector) to eliminate hardcoded credentials and enforce per-stage secret rotation.
- Managed CI/CD workflows with GitHub Actions for PR validation, container builds, Snyk scanning and gated approvals; integrated **SonarQube, Trivy** and **Snyk** into Jenkins pipelines.
- Led the Git branching strategy (feature, release, hotfix) for a **15+ developer team** and reviewed pull requests.
- Performed **RCA** on production incidents and implemented preventive fixes; handled **ServiceNow change management** with multi-level approvals in a regulated banking environment.

Provisioned and operated AWS and Amazon EKS infrastructure for high-traffic media streaming workloads.

- Cut environment build time from **days to under 1 hour** by provisioning EKS clusters, VPC networking and EFS storage with **Terraform**.
- Reduced AWS infrastructure costs by **30%** with Lambda-based EC2 scheduling scripts that shut down non-production instances during off-hours.
- Reduced incident downtime by **70%** through RCA, automated alerting scripts and documented remediation playbooks with SLA-aligned response procedures.
- Prevented recurring production issues through **Prometheus, Grafana** and **Fluentd-to-Kibana** alerting and centralized logging; deployed Prometheus and Grafana using **Helm** charts.
- Automated server configuration and deployments with **Ansible** reusable roles and Jinja2 templating across environments, reducing manual effort by **60%**.
- Managed **EKS** cluster node group scaling, upgrades, namespaces, ConfigMaps, Secrets and persistent volumes (EBS/EFS).
- Tuned **HPA and Cluster Autoscaler** policies on CPU and memory metrics for peak streaming traffic, supporting **20+ services**.
- Migrated plaintext Kubernetes Secrets to **HashiCorp Vault** sidecars, closing a critical security audit gap; enforced least-privilege via IAM, security groups, RBAC and Vault policies.
- Standardized multi-environment deployments with **Kubernetes namespaces** and **Jenkins parameterized builds** from Dev to Production.

EDUCATION
