

SREEHARINATH PEETLA

DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with 4+ years in platform engineering and site reliability, building and operating Kubernetes delivery platforms on AWS and Red Hat OpenShift for Tier-1 banking and media clients. Sustained **99.9% availability** on production systems, cut incident downtime by **70%**, reduced AWS spend by **35%**, and standardized zero-downtime releases across **20+ microservices**. Hands-on across CI/CD (Jenkins, GitHub Actions), Helm, observability (Prometheus, Grafana), and secrets security with HashiCorp Vault.

TECHNICAL SKILLS

Container Orchestration: Kubernetes (EKS, Vanilla), OpenShift (RHOCP 4.x), Docker, containerd, Istio, Helm

CI/CD: Jenkins (Declarative & Scripted), GitHub Actions

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

Infrastructure as Code: Terraform, Ansible

Observability & Site Reliability: Prometheus, Grafana, Kibana, Fluentd, SLA/SLO, incident response

Security & Secrets: HashiCorp Vault (AppRole, KV v2, Dynamic Secrets, Agent Injector), Snyk, SonarQube, Trivy

Artifacts & Version Control: JFrog Artifactory, Nexus, Git, GitHub

Scripting & OS: Bash, Shell Scripting, Linux (RHEL, Amazon Linux)

Ways of Working: Agile/Scrum, Jira, Confluence

PROFESSIONAL EXPERIENCE

SYSTEM ENGINEER (DEVOPS)

Tata Consultancy Services | Client: CIBC | Domain: Banking | May 2024 – June 2026 | Bengaluru, India

Owned and operated the CI/CD and Kubernetes delivery platform for a Tier-1 Canadian bank, supporting 3 OpenShift 4.x clusters, **20+** microservices, and **7** deployment environments (DEV, DIT, SIT, PIT, UAT, STAGE, PROD).

- Architected CI/CD pipelines using Jenkins and GitHub Actions for **20+** microservices, improving deployment speed by **60%**.
- Engineered a highly available OpenShift 4.x platform, sustaining **99.9%** uptime.
- Built observability with Prometheus and Grafana, reducing MTTD by **40%**.
- Implemented Istio canary deployments with mTLS, enabling zero-downtime releases.
- Integrated HashiCorp Vault dynamic secrets, eliminating hardcoded credentials.
- Enforced security and quality gates using Snyk, SonarQube, and Trivy, reducing deployment failures by **35%**.
- Resolved critical production incidents across Kubernetes clusters, improving system stability and reducing recurring failures.

ASSOCIATE SYSTEM ENGINEER (DEVOPS)

Tata Consultancy Services | Client: Tata Play | Domain: DTH / Media | Mar 2022 – Apr 2024 | Bengaluru, India

Provisioned and operated AWS cloud and EKS infrastructure for high-traffic media streaming workloads, from cluster build-out through production reliability.

- Provisioned EKS, VPC networking, and EFS storage using Terraform, reducing environment build time from days to under 1 hour.
- Administered EKS and vanilla Kubernetes, handling scaling, upgrades, and RBAC for **multiple** services.
- Reduced incident downtime by **70%** through root-cause analysis, automated alerting, and SLA-driven playbooks.
- Prevented **10+** production outages using proactive Grafana alerting and centralized logging pipelines.
- Optimized HPA and Cluster Autoscaler for peak traffic, reducing AWS costs by **35%**.
- Migrated plaintext Kubernetes Secrets to HashiCorp Vault sidecars, closing a critical security audit gap.
- Automated routine operational tasks using scripts and pipelines, reducing manual effort and improving deployment consistency.

FEATURED PLATFORM PROJECT

Secure Multi-Environment Delivery Platform — Banking Microservices (CIBC)

Platform Owner (Design to Operation) | OpenShift, GitHub Actions, Helm, HashiCorp Vault, Istio

- Built the commit-to-production platform using GitHub Actions CI, quality gates, Artifactory, and Helm deployments.
- Embedded Vault Agent Injector for short-lived dynamic secrets, ensuring **zero plaintext credentials**.
- Instrumented Prometheus metrics, Grafana dashboards, and Fluentd-to-Kibana centralized logging.
- Delivered Istio canary and traffic-mirroring releases with mTLS, making every change reversible.
- Outcome: **60% faster deployments, 35% fewer failures, 40% faster detection, 99.9% availability**.

EDUCATION

B.Tech, Electrical and Electronics Engineering

Anantha Lakshmi Institute of Technology and Sciences, Anantapur | May 2016 – Jun 2020