Maniram Gudla

DevOps | CI/CD | Kubernetes | Observability | Data Pipelines

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Portfolio

SUMMARY

DevOps Engineer with 3+ years of hands-on experience in building, automating, and supporting cloud-native infrastructure and CI/CD pipelines. Strong expertise in Docker, Kubernetes, AWS, Terraform, Jenkins, and observability platforms. Proven experience in production support, monitoring, incident handling, DR automation, and infrastructure reliability. Adept at collaborating with cross-functional teams to deliver scalable, secure, and highly available systems. Proven ability to collaborate with cross-functional teams, communicate effectively with stakeholders.

TECHNICAL SKILLS

- **Cloud & Infrastructure:** AWS, GCP, VMware
- **Monitoring & Observability:** Prometheus, Grafana, EFK, OTEL, Victoria metrics, APM Tracing, CloudWatch, Dashboards creation, Alerting anomaly detection.
- **CI/CD & Automation:** Jenkins, GitLab CI/CD, GitHub
- **Infrastructure as Code:** Terraform, Ansible
- **Containers & Orchestration:** Docker, Kubernetes, Helm, Rancher
- **Databases, Caching & Streaming:** PostgreSQL, Yugabyte, Redis, Kafka
- **Load Balancing & Proxy:** Nginx, HAProxy

EXPERIENCE

Senior Associate – DevOps Engineer
National Payments Corporation of India (NPCI) — Hyderabad | Jul 2022 – Present

- Worked extensively with Linux servers, Kubernetes clusters, and containerized workloads.
- Handled Kubernetes deployments using Helm, configured liveness/readiness probes, Ingress rules, autoscaling, and resource limits.
- Implemented and managed a GitOps-based CI/CD pipeline using ArgoCD as the primary deployment tool for Kubernetes workloads
- Designed and maintained CI/CD pipelines using Jenkins, GitLab CI/CD and GitHub Actions.
- Built a centralized observability platform using OTEL Collector, OTEL Gateway, Victoria Metrics, Grafana, Prometheus, EFK, enabling full-stack visibility across apps, APIs, infrastructure, Kubernetes, network, and databases.
- Developed service-level instrumentation (metrics, traces, logs) for microservices across Java and containerized workloads.
- Proactively manage and monitor cloud services, metrics, and alerts to ensure high availability and performance across environments.
- Troubleshoot environment access issues, restart services, analyze logs, and apply fixes including resource scaling and patches.
- Worked closely with development, QA, and operations teams to support releases and production stability.
- Provided L2/L3 production support, performed root cause analysis of job failures and platform issues, and participated in on-call rotations including leading high-severity incident resolution

PROJECTS

Observability Platform – OTEL, Victoria Metrics, Grafana & EFK, Vector Dev and OpenSearc

- Built telemetry pipelines collecting metrics, logs, traces from distributed applications.
- Integrated node exporters, Grafana dashboards, Alert manager workflows, and Elasticsearch log indexing.
- Enabled real-time insights into latency, error budgets, throughput, caching, DB queries, resource utilization.

Cloud Monitoring & Incident Automation

- Built internal monitoring dashboards and alerting workflows using Prometheus, Grafana, and scripted health checks.
- Automated routine environment checks and ticket actions to improve response times.
- Streamlined incident escalation and troubleshooting via standardized execution scripts for service restarts, log retrieval, and access issues.

Feature Flags & Error Monitoring at Scale

- Led deployment of open-source Flagsmith (K8s, Crunchy Postgres) to enable real-time feature management for SDK rollout and application toggling, reducing release risk and manual interventions.
- Deployed self-hosted Sentry using Helm on Kubernetes for end-to-end crash reporting, release tracking, and automated alerts, email notification workflows.`

CI/CD & Disaster Recovery Automation

- Created and maintained robust multi-environment CI/CD pipelines (Jenkins, Gitlab, ArgoCD) enabling blue-green, rolling, and canary update strategies for critical payment systems and data platforms.
- Automated disaster recovery site switchovers, reducing planned recovery time to 5 minutes and disaster failover to 10 minutes, coordinating across Databases (Yugabyte), applications, and infrastructure.
- Integrated DR validation, artifact promotion (Nexus), and config management (Ansible/Terraform/Helm) for consistent failover and rollback operations, enhancing infrastructure resilience.

EDUCATION

Carnegie Mellon University (via TalentSprint)   Remote / Pittsburgh, USA
Advanced Certification in DevOps Automation   Dec 2022 – May 2023
Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT)   Visakhapatnam, Andhra Pradesh
B.Tech - Mechanical Engineering   Jun 2019 – Jun 2022

CERTIFICATIONS & AWARDS

• Kubernetes and Cloud Native Associate (KCNA) (CertID: LF-9vlrij1awu)
• Associate Google Cloud Certified (CertID: 42571a4081f14fd799980c332ba3975a)
• Well Done Award — National Payments Corporation of India
• Ninja Award — 2025 Playground Challenge