# SRINATH R

**DevOps Engineer | AWS · Kubernetes · CI/CD · Observability**

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## SUMMARY

DevOps Engineer with 2 years of full-time experience (plus a 9-month DevOps-focused internship) running Kubernetes, CI/CD and observability for live fintech trading platforms. Own the monitoring and logging stack and part of the deployments for a 13-microservice algo-trading platform served to 4 major stockbrokers; cut monitoring spend ~67% (~$10K/year) by replacing New Relic with self-hosted Elasticsearch/Kibana + Prometheus/Grafana, and act as the technical point of contact for broker integrations, on-call incidents and security escalations.

## TECHNICAL SKILLS

**Cloud:** AWS (EC2, S3, IAM, RDS, ELB, VPC, NAT Gateway, Organizations), DigitalOcean
**Containers & Orchestration:** Kubernetes (RBAC, Ingress, namespaces, probes, rolling updates), Helm, Docker, Docker Compose
**CI/CD & GitOps:** Jenkins, GitHub Actions, ArgoCD, Expo EAS (mobile CI/CD), BrowserStack test integration
**Observability:** Elasticsearch, Kibana, Filebeat (ILM/SLM), Prometheus, Grafana, Uptime Kuma, Slack alerting
**Security & Compliance:** VAPT remediation, SOC audit support, IAM least-privilege, Kubernetes RBAC, rsyslog audit logging, Nginx
**IaC & Scripting:** Bash, Python, YAML, Terraform (EC2 provisioning), Git

## EXPERIENCE

**Simply Algo Fintech Pvt. Ltd.** **Nov 2025 – Present**

*DevOps Engineer*

Retail trading platforms Quantman (algo trading) and Instaoptions, hosted for 4 major Indian stockbrokers plus 2 white-label partners.

- Own deployments for a subset of Quantman's 13 microservices (~10-node Kubernetes cluster) and help with the rest and with Instaoptions; production releases ship almost daily after market hours via Jenkins → Helm → ArgoCD rolling updates with readiness probes and tuned maxSurge/maxUnavailable to keep trading services available.
- Handled 3 broker deployments of Quantman (2 end-to-end, 1 in a support role): primary technical contact for the broker's team, gathered infrastructure requirements, drove IP-whitelisting and network-access requests, and represented DevOps in networking and security reviews.
- Own the monitoring and logging stack: migrated production observability from New Relic to self-hosted Elasticsearch/Kibana (Filebeat) + Prometheus/Grafana, cutting monitoring cost ~67% (~$1,225 → $400/month, ~$10K/year) while handling ~15 GB/day of production logs.
- Designed Elasticsearch ILM/SLM and retention policies: 7-day staging, 30-day searchable production, 150-day snapshots, with daily/5 GB index rollover to control storage growth.
- Set up Uptime Kuma availability monitoring for customer-facing web platforms with alerting, so the team is notified of downtime as it happens rather than from customer reports.
- Built namespace-scoped RBAC limiting developers to list/port-forward/exec on their own workloads, excluding cluster-critical namespaces (kube-system, kube-node-lease).
- Supported VAPT and SOC audits with an external audit firm, providing scoped cluster access and pod-level audit logging (rsyslog), and remediated 13 high-severity vulnerabilities.
- Built the company's first mobile CI/CD from scratch using Expo EAS for Quantman Lite (React Native), automating OTA updates and App Store / Play Store build and submission.
- Take part in on-call rotation, including off-hours security escalations with broker clients (e.g., 4 AM weekend incident calls).

**Codingmart Technologies** **Jan 2024 – Sep 2025**

*Product Engineer, DevOps (Oct 2024 – Sep 2025) · Product Engineer Intern (Jan 2024 – Sep 2024)*

**VAHN – AI-enabled trucking payments platform**

- Built the client's initial AWS foundation from scratch: separate staging and production accounts under AWS Organizations, VPC with NAT Gateways, ELB, PostgreSQL RDS and least-privilege IAM roles.
- Automated build and deployment pipelines with Jenkins and Docker for staging and production releases.

**Connected Health – TATA iQ (IoT health-monitoring platform)**

- Built GitHub Actions pipelines that run the QA team's BrowserStack mobile test suites automatically on each build.
- Built Prometheus + Grafana dashboards with Slack alerts for device and service health metrics.

**Internal / other client work**

- Containerized applications with Docker and Docker Compose to keep dev, staging and production environments consistent; provisioned EC2 instances with Terraform.

## CERTIFICATIONS

Certified Kubernetes Application Developer (CKAD) – in preparation

## EDUCATION

**B.E., Computer Science and Engineering** – Dr. N.G.P. Institute of Technology, Coimbatore **2020 – 2024**