

ROHIT VERMA

Senior DevOps Lead • Platform Engineering • Cloud Infrastructure

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PROFESSIONAL SUMMARY

- 97.2% DR failover reduction, 30% latency improvement, 25% cost savings — Senior DevOps Lead with 15+ years delivering mission-critical cloud platforms; spearheaded zero-downtime migration of 50+ UPI microservices to AWS (140M+ TPD, 200+ EKS nodes) in regulated FinTech
- Proven leader driving 60% incident recurrence reduction, mentoring cross-functional teams, and achieving regulatory compliance; expert in Kubernetes, CI/CD, Terraform, GitOps, AWS, Istio, and full observability stack across high-stakes FinTech environments

CORE SKILLS

Cloud & Platform: AWS (EKS, VPC, IAM/IRSA, S3, Route53, ALB/NLB, DirectConnect, PrivateLink, CloudWatch), Multi-AZ HA architecture

Kubernetes & Service Mesh: EKS, Istio (mTLS, traffic steering), Calico CNI, KEDA, HPA/VPA, progressive delivery, Helm

CI/CD, GitOps & Automation: Argo CD, Argo Rollouts (Canary/Blue-Green), Terraform, Jenkins, GitHub Actions, Ansible, SaltStack

Observability & SRE: Prometheus, Grafana, Thanos, ELK Stack, Alertmanager, OpenTelemetry, SLO/SLA dashboards, DR runbooks, error budgets

Data, Security & Languages: Kafka (multi-cluster), Aerospike, Redis, Elasticsearch | CSPM, TLS/mTLS, CIS benchmarks, least-privilege IAM | Python, Golang (K8s controllers), Bash

PROFESSIONAL EXPERIENCE

Senior DevOps Lead | Paytm UPI | May 2022 – Present | Noida, India

High-scale UPI payments platform • Regulated FinTech • Mission-critical infrastructure serving 140M+ transactions per day

- Reduced DR failover time by 97.2% through end-to-end automation of failover runbooks, eliminating manual handoffs and achieving near-instant recovery for mission-critical UPI payment services
- Automated infrastructure patching across 200+ EKS nodes and underlying EC2 fleet using custom orchestration pipelines; eliminated unplanned maintenance windows and achieved zero-downtime patch cycles at scale
- Spearheaded zero-downtime UPI stack migration from on-prem to AWS (50+ microservices, 200+ EKS nodes, 140M+ TPD) using VPC multi-AZ design, DirectConnect/PrivateLink for NPCL/banks, and automated rollback mechanisms
- Championed Istio service mesh (mTLS, traffic steering), standardized CI/CD and GitOps with Argo CD/Rollouts (canary/blue-green), and optimized KEDA/HPA autoscaling reducing P95 latencies 30% during peak traffic
- Automated 90% of infrastructure provisioning via Terraform/Ansible/SaltStack; implemented CSPM, audit trails, least-privilege IAM; reduced incident recurrence 60%; achieved 25% cost reduction through FinOps
- Mentored 5-engineer DevOps team; defined platform roadmap aligning engineering velocity with business goals; influenced architecture decisions across 6+ engineering teams

Technical Leader | Capgemini Engineering | June 2020 – March 2022 | Gurugram, India

Global engineering services • Large-scale automation • Multi-product DevOps transformation

- Directed Docker Swarm to Kubernetes modernization reducing deployment time 50%; designed AWS solutions (EKS, Lambda, S3, VPC, ALB) achieving 30% infrastructure cost reduction
- Engineered Python CI/CD test automation framework (30K+ firmware cases/day, 95% coverage); drove Ansible adoption across 100+ servers, standardizing deployments and eliminating manual toil

Lead Engineer | EVC Ventures | May 2018 – September 2019 | Gurgaon, India

Startup environment • Microservices architecture • Full-stack development with DevOps ownership

- Designed AWS HA infrastructure with centralized ELK stack (100GB+ logs/day) enabling real-time troubleshooting; developed full-stack MERN applications; established CI/CD practices cutting release cycles 40%

Senior Software Engineer | Appster | October 2016 – April 2018 | Gurgaon, India

Mobile & web application development • Enterprise DevOps strategy • Multi-product portfolio

- Developed org-wide DevOps strategy adopted by 10+ product teams; created CI/CD pipelines (Jenkins, Docker, AWS) improving deployment frequency 3x; built test automation reducing manual testing 80%

Senior Engineer | HCL Technologies | March 2015 – October 2016 | Noida, India

Enterprise IT services • Cloud migration initiatives • Customer-facing technical delivery

- Introduced CI/CD pipelines achieving 95% deployment success; reduced application latency 35%; served as customer-facing SME for 20+ cloud adoption initiatives

Software Engineer | Tech Mahindra | April 2011 – March 2015 | Noida, India

Enterprise applications • Test automation • Infrastructure operations and maintenance

- Built Selenium/Python UI-API automation frameworks (500+ cases/day); maintained VMware ESXi at 99.9% uptime; introduced Git/SVN version control and CI/CD best practices

PROJECTS & SIDE INITIATIVES

filehoot.ai — AI-powered data format converter (JSON/YAML/TOML/CSV); browser-based LLM repair, syntax validation, tree/table/raw views, full-text search — all processing local for privacy

devxops.tech — Real-time DevOps news hub (DevCloudOps, DevSecOps, DevAIOps); snackable content cards with sources, search, and modern web patterns built with Next.js

CERTIFICATIONS

Certified Kubernetes Administrator (CKA) | AWS Certified Solutions Architect – Associate | HashiCorp Certified: Terraform Associate | Docker Certified Associate (DCA)

EDUCATION

B.Tech (ECE) — Dr. A.P.J. Abdul Kalam Technical University | First Division | 2006–2010