

# ROHIT VERMA

Senior DevOps/SRE Lead • Platform Engineering • Cloud Infrastructure

Gurugram, India | [er\\_rohitverma@yahoo.in](mailto:er_rohitverma@yahoo.in) | [rohitverma.info](mailto:rohitverma.info)  
[linkedin.com/in/rohit-verma-38b21796](https://www.linkedin.com/in/rohit-verma-38b21796) | [github.com/crujzo](https://github.com/crujzo)

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## PROFESSIONAL SUMMARY

- Engineering leader with 14+ years architecting cloud platforms at scale—directing zero-downtime migration of 50+ UPI microservices (140M+ TPD, 200+ EKS nodes) achieving 30% latency reduction and 25% cost savings
- Expert in Kubernetes/EKS, GitOps (Argo CD/Rollouts), Istio mesh, Terraform/IaC, AWS, and observability (Prometheus/Grafana/Thanos/ELK) for mission-critical FinTech systems
- Proven track record mentoring cross-functional teams, defining platform roadmaps, and delivering PCI-DSS/ISO 27001/SOC 2 compliance while reducing MTTR 40% and incident recurrence 60%

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## 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

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

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

**Data Systems:** Kafka (multi-cluster), Aerospike, Redis, Elasticsearch; real-time stream processing

**Security & Compliance:** PCI-DSS, ISO 27001, SOC 2, CSPM, TLS/mTLS, CIS benchmarks, least-privilege IAM

**Languages & Scripting:** Python, Golang (K8s controllers), Bash

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## PROFESSIONAL EXPERIENCE

### DevOps Lead | Paytm (Paytm Payments Bank Ltd) | May 2022 – Present | Noida & Gurugram, India

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

- Spearheaded end-to-end UPI stack migration from on-prem datacenter to AWS (50+ microservices, 200+ EKS nodes, 140M+ TPD) with zero downtime using VPC multi-AZ design, DirectConnect/PrivateLink for NPCI/banks, phased cutover strategy, and automated rollback mechanisms
- Standardized GitOps practices with Argo CD for declarative infrastructure management; implemented progressive delivery via Argo Rollouts (canary/experiments) enabling safe, automated rollbacks and reducing deployment risk across platform
- Championed Istio service mesh adoption for mTLS enforcement, dynamic traffic management, and policy-driven security; upgraded Calico CNI; optimized KEDA/HPA autoscaling reducing P95 latencies 30% during traffic bursts
- Built comprehensive disaster recovery strategy with quarterly failover drills, SLO/SLA dashboards in Grafana with Prometheus/Thanos metrics, enriched alerting pipelines; automated 90% of infrastructure provisioning using Terraform/Ansible/SaltStack; reduced MTTR 40% and incident recurrence 60%
- Partnered cross-functionally with Security, Compliance, and Product teams to achieve PCI-DSS, ISO 27001, SOC 2 certifications; implemented CSPM, audit trails, and least-privilege IAM policies ensuring regulatory adherence; achieved 25% infrastructure cost reduction through FinOps initiatives
- Mentored 5-engineer DevOps team; defined platform roadmap aligning engineering velocity with business reliability goals; influenced architecture decisions across 6+ engineering teams

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

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

- Directed container orchestration modernization from Docker Swarm to Kubernetes reducing deployment time 50% and improving microservices auto-scaling; designed AWS cost-effective solutions (EKS, Lambda, S3, VPC, ALB) achieving 30% infrastructure cost reduction
- Engineered scalable Python test automation framework processing 30K+ firmware test cases/day with 95% coverage; integrated automated regression testing into CI/CD pipelines shortening release cycles
- Drove adoption of Ansible playbooks for configuration management across 100+ servers; standardized deployments and reduced manual operational toil enabling DevOps team to focus on strategic initiatives

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

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

- Designed AWS infrastructure for resilient microservices with HA patterns; built centralized ELK stack processing 100GB+ logs/day enabling real-time troubleshooting and reducing incident detection time
- Developed full-stack MERN applications; established CI/CD practices shortening release cycles 40%

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

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

- Developed organization-wide DevOps strategy adopted by 10+ product teams; created CI/CD pipelines (Jenkins, Docker, AWS) improving deployment frequency 3x
- Built robust test automation frameworks reducing manual testing 80%; mentored junior engineers on best practices

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

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

- Introduced DevOps practices and CI/CD pipelines achieving 95% deployment success; implemented performance monitoring reducing application latency 35%
  - Served as customer-facing SME for 20+ cloud adoption initiatives; led technical discovery and migration planning
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**Software Engineer | Tech Mahindra | April 2011 – March 2015 | Noida, India**

Enterprise applications • Test automation • Infrastructure operations and maintenance

- Built UI/API test automation frameworks (Selenium, Python) testing 500+ cases/day; introduced Git/SVN version control and CI/CD best practices
- Maintained VMware ESXi infrastructure ensuring 99.9% uptime; improved collaboration and code quality across team

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**PROJECTS & SIDE INITIATIVES**

[bitresearch.ai](#) — AI-powered cryptocurrency news aggregation platform (Python, Docker, CI/CD)

[devxops.tech](#) — Real-time DevOps news portal (Next.js, CI/CD automation)

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**CERTIFICATIONS**

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

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**EDUCATION**

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