

VIVEK JOSHI

Senior DevOps Lead | Cloud Platform Engineering | Kubernetes | AWS | DevSecOps | FinOps | GenAI Platform
Gurugram | +91-6397960138 | vivekjoshi223@hotmail.com | linkedin.com/in/vivekjoshi001 | vivek-joshi.in

Profile Summary

- Accomplished **DevOps & Cloud Platform Engineering** leader with 8 years of experience, currently Senior DevOps Lead at a regulated NBFC/FinTech, owning cloud platform engineering, CI/CD, DevSecOps, FinOps and SRE for customer-facing lending applications across AWS, OCI and on-premises environments.
- Proven expertise in **architecting cloud-native platforms** on AWS using Kubernetes, Terraform, Jenkins and observability frameworks to accelerate delivery, strengthen resilience and improve developer productivity within an audit-driven financial services environment.
- Spearheaded enterprise **cloud modernization and FinOps initiatives** spanning Graviton and instance-family migrations, Spot adoption, Savings Plans/RI strategy, right-sizing and APM-driven application tuning, delivering **56% cloud cost optimization** and annual savings of approximately **₹7 Crores**.
- Owens the organization's **enterprise LLM gateway and GenAI platform** — led the POC and production implementation across LightLLM, Quilr, Bifrost and Helicone, fronting Amazon Bedrock with guardrails, PII redaction, policy enforcement and per-team cost attribution to enable secure AI adoption across engineering teams.

Core Competencies

Cloud Cost Optimization & FinOps	CI/CD & GitOps Engineering	DevSecOps & Compliance Governance
Kubernetes Platform Engineering	LLM Gateway & GenAI Enablement	Disaster Recovery & Business Continuity
Observability & SRE Practices	Incident Response & Management	Team Leadership & Mentoring

Technical Skills

- Cloud Platforms:** AWS (EKS, ECS, EC2 Graviton, Lambda, API Gateway, Glue, Redshift, DynamoDB, S3), Oracle Cloud Infrastructure, On-Premises
- Containerization & Orchestration:** Kubernetes, Docker, Helm, Argo CD, Karpenter, Istio
- Infrastructure as Code:** Terraform, AWS CloudFormation, GitOps workflows
- CI/CD & Automation:** Jenkins, AWS CodePipeline, Python, Bash
- Monitoring & Observability:** New Relic (APM), Prometheus, Grafana, Loki, ELK Stack, Amazon CloudWatch, OpenSearch
- Security & DevSecOps:** AWS WAF, IAM least-privilege, Organization SCPs, GuardDuty, Prisma Cloud, Qualys, SonarQube, Trivy
- Data & Analytics:** MongoDB Atlas, Amazon DocumentDB, DynamoDB, Kafka, Databricks, Apache Airflow, Redash
- AI & LLM Platform:** LLM gateways (LightLLM, Quilr, Bifrost, Helicone), Amazon Bedrock & Guardrails, OpenAI API, AI-assisted IaC and incident analysis
- FinOps:** Savings Plans, Reserved Instances, Spot, Graviton migration, right-sizing, Cost Explorer & CUR analysis

Work Experience

Capri Global Capital Ltd. (Capri Loans) — Gurugram Senior DevOps Lead Jul 2023 – Present	DevOps Strategy & Platform Engineering: Leading enterprise DevOps transformation across multiple product teams in a regulated FinTech environment through Kubernetes-based Canary, Blue-Green and Rolling deployment strategies, reducing production incidents by 70% and improving release cadence from weekly to daily/alternate-day deployments. CI/CD Platform Engineering: Architecting & managing enterprise Jenkins CI/CD pipelines with automated testing, security scanning, quality gates and GitOps workflows, standardizing 2,000+ CI/CD pipelines across teams and cutting new service onboarding from 1 day to under 1 hour. FinOps & Cloud Cost Optimization: Driving continuous cost governance through workload usage-pattern analysis, migration to latest instance families and AWS Graviton, Spot adoption for non-critical workloads, and optimal Savings Plans/RI coverage; partnering with development and QA teams on load testing and APM-driven code tuning to right-size resources at source. LLM Gateway & GenAI Platform: Owning the end-to-end POC and production implementation of the enterprise LLM gateway — evaluating LightLLM, Quilr, Bifrost and Helicone — fronting Amazon Bedrock with guardrails, PII redaction, policy enforcement, usage tracking and per-team cost attribution. Disaster Recovery & Resilience: Designing and automating DR frameworks spanning AWS, OCI and on-premises workloads using Python, Kubernetes, AWS Lambda and Terraform. Half-yearly drills consistently achieve full recovery within 15 minutes.
---	---

- ❖ **Security & Compliance Governance:** Strengthening security posture with AWS WAF, least-privilege IAM, organization-level SCPs and GuardDuty, alongside Prisma Cloud, Qualys, SonarQube and Trivy scanning embedded in CI/CD, achieving zero security audit findings across the last two compliance cycles.
- ❖ **Data Platform Modernization:** Migrating production databases from Amazon DocumentDB to MongoDB Atlas with zero data loss, and onboarding Databricks with Apache Airflow orchestration for enterprise data engineering workloads.
- ❖ **Team Leadership & Enablement:** Leading a team of 5–8 DevOps engineers — owning the platform roadmap, engineering standards and mentoring, and running regular internal knowledge-sharing sessions so the whole team grows with the platform.
- ❖ **Observability & SRE:** Establishing enterprise observability with New Relic, Prometheus, Grafana, Loki, ELK Stack and CloudWatch, and applying Generative AI to automate IaC, monitoring and incident analysis.

Achievements:

- ❖ **Migrated production workloads from ECS → EKS,** establishing an internal Kubernetes platform with Argo CD, Helm, Istio & Karpenter — currently operated by the DevOps team through approval-gated workflows and progressing toward full developer self-service.
- ❖ **Migrated production databases from Amazon DocumentDB to MongoDB Atlas** with zero data loss and no customer-facing downtime, improving scalability, backup posture, and operational visibility.
- ❖ Reduced average deployment time by approximately **60%** through advanced deployment strategies and automated release pipelines.
- ❖ Reduced cloud expenditure by **56%**, generating annual cost savings of approximately **₹7 Crores** through Graviton and instance-family migrations, Spot usage, Savings Plans/RI optimization, right-sizing and APM-driven application tuning.
- ❖ Built an automated multi-cloud Disaster Recovery platform covering AWS, OCI and on-premises workloads, reducing Recovery Time Objectives (RTO) by **58%** and DR drill execution from nearly 4 hours to under 15 minutes.

Team Computers Private Ltd. — New Delhi
Senior Cloud Engineer (Level 3) | Dec 2022 – Jul 2023

- ❖ Led enterprise cloud migration from Azure and IBM Cloud to AWS with minimal business disruption.
- ❖ Designed AWS architectures aligned with ISO and SOC2 compliance requirements.
- ❖ Built a Jenkins and AWS Code Pipeline CI/CD framework from scratch and ran enablement sessions for engineering teams.
- ❖ Implemented Infrastructure as Code using Terraform and CloudFormation to standardize cloud provisioning.
- ❖ Embedded IAM, encryption, compliance and monitoring best practices in enterprise architecture.

Umbrella Infocare Pvt. Ltd. (Now Noventiq) — Noida
Cloud Engineer (Level 2) | Feb 2021 – Dec 2022

- ❖ Designed cloud adoption strategies based on customer business requirements.
- ❖ Provisioned cloud infrastructure, containers, virtual machines, and databases through automation.
- ❖ Executed successful on premises to cloud migration projects with zero data loss.
- ❖ Implemented IAM policies, encryption, monitoring, and compliance controls across AWS environments.
- ❖ Optimized cloud resource utilization and introduced cost governance measures.

Aura Emanating Teknology (NCMRWF, Ministry of Earth Sciences)
Senior ICT Engineer | Aug 2018 – Feb 2021

- ❖ Operated high-performance computing nodes for national weather forecasting workloads, managing job submissions and system health.
- ❖ Built Bash automation to monitor data outputs and detect anomalies, eliminating routine manual checks.
- ❖ Managed secure data transfers and remote system administration across HPC environments.



Certifications



- AWS Certified Solutions Architect – Professional
- AWS Certified Solutions Architect – Associate
- Oracle Cloud Infrastructure 2022 Certified Architect Associate



Education



- B.Tech – Computer Science & Engineering** from Bipin Tripathi Kumaon Institute of Technology, Uttarakhand | 2015 – 2018
- Diploma – Information Technology** from Government Polytechnic College, Uttarakhand | 2012 – 2015

ANNEXURE

Projects

DR Automation Platform | Technologies: Python | React | Kubernetes | AWS Lambda | DynamoDB | Terraform

- Built an enterprise DR automation platform delivering one-click failover and failback across AWS, OCI and on-premises environments.
- Reduced Disaster Recovery RTO by approximately **58%**.
- Integrated LLM-powered infrastructure health validation and predictive failure detection.
- Reduced DR drill execution time from nearly **4 hours to under 15 minutes**.

Certificate Lifecycle Management Platform | Technologies: Python | React

- Developed automated certificate discovery, renewal, deployment, and monitoring platform.
- Leveraged AI-powered anomaly detection for certificate lifecycle governance.
- Reduced certificate-related incidents by approximately **90%**.
- Eliminated nearly **12 hours/week** of manual administrative effort.

Automated CI Review Platform | Technologies: Python | GitHub API | OpenAI API | SonarQube | ESLint

- Developed intelligent pull request review platform integrated with GitHub workflows.
- Automated code quality, security, and compliance validation using static analysis tools.
- Generated AI-powered remediation recommendations and automated fix pull requests.
- Improved developer productivity through intelligent code review automation.