

VIVEK JOSHI

Senior DevOps Lead | DevOps | Cloud Platform Engineering | Kubernetes | AWS | DevSecOps | FinOps
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Profile Summary

- ❖ Accomplished **DevOps & Cloud Platform Engineering** professional with 8 years of experience delivering enterprise-scale cloud infrastructure, Kubernetes platform engineering, CI/CD automation, DevSecOps, FinOps, Site Reliability Engineering (SRE), and **secure AI-driven systems with enterprise guardrails** across FinTech, Enterprise IT, and Government HPC environments.
- ❖ Proven expertise in **architecting cloud-native platforms** on AWS by leveraging Kubernetes, Terraform, Jenkins and observability frameworks to accelerate software delivery, strengthen platform resilience, and enhance developer productivity.
- ❖ Spearheaded enterprise-wide **cloud modernization and FinOps initiatives**, optimizing AWS and Amazon EKS environments through infrastructure right-sizing, autoscaling, and governance strategies, delivering **56% cloud cost optimization** and annual savings of approximately **₹7 Crores**.
- ❖ Passionate about **AI-driven infrastructure automation and platform innovation**, leveraging Generative AI, LLM integrations, Python, and cloud-native technologies to streamline operations, automate engineering workflows, strengthen incident response, and enable intelligent DevOps practices.

Core Competencies

Cloud Infrastructure Optimization	Continuous Integration Strategies	Security Compliance Frameworks
High-Performance Computing Solutions	Automation and Scripting Techniques	Cross-Functional Team Collaboration
GitOps Practices	Incident Response and Management	Predictive Analytics and Monitoring

Technical Skill

- ❖ **Cloud Platforms:** AWS, Amazon EKS, ECS, AWS Glue, Amazon Redshift, API Gateway, MongoDB Atlas
- ❖ **Containerization & Orchestration:** Kubernetes, Docker, Helm, Karpenter, Istio
- ❖ **Infrastructure as Code:** Terraform, AWS CloudFormation, Ansible
- ❖ **CI/CD & Automation:** Jenkins, AWS CodePipeline, Bash, Python
- ❖ **Monitoring & Observability:** New Relic, Prometheus, Grafana, Loki, ELK Stack, Amazon CloudWatch, OpenSearch
- ❖ **Security & DevSecOps:** Prisma Cloud, Qualys, SonarQube, Trivy, AWS GuardDuty, AWS IAM, AWS WAF
- ❖ **Data & Messaging:** Kafka, MongoDB Atlas, Redash
- ❖ **AI & Intelligent Automation:** Amazon Bedrock, LightLLM, OpenAI API, ChatGPT, Cursor, Amazon Q, LLM Integration, Predictive Analytics

Work Experience

Capri Global Capital Ltd. (Capri Loans) — Gurugram Senior DevOps Lead Jul 2023 – Present	❖ DevOps Strategy & Platform Engineering: Spearheading enterprise DevOps transformation across multiple product teams by implementing cloud-native delivery practices and Kubernetes-based deployment strategies, including Canary, Blue-Green and Rolling deployments, reducing production incidents by 70% while accelerating release frequency from weekly to daily/alternate-day deployments, significantly enhancing platform reliability and delivery velocity. ❖ CI/CD Platform Engineering: Architecting & managing enterprise Jenkins CI/CD pipelines by integrating automated testing, security scanning, quality gates, GitOps workflows and release automation, while standardizing 2,000+ CI/CD pipelines across teams, reducing build failures and accelerating new service onboarding from 1 day to under 1 hour through secure, continuous software delivery. ❖ Cloud Infrastructure & FinOps: Optimizing AWS and Amazon EKS environments through infrastructure right-sizing, Karpenter-based autoscaling, and FinOps governance, maximizing cloud efficiency while reducing operational expenditure. ❖ Disaster Recovery & Resilience: Designing and automating Disaster Recovery (DR) frameworks using Jenkins, AWS Lambda and Terraform, strengthening business continuity and enabling near-zero Recovery Time Objectives (RTO). Validated recovery readiness through half-yearly DR drills, consistently achieving full recovery within 15 minutes. ❖ DevSecOps & Security Governance: Embedded security across the SDLC by integrating Prisma Cloud, Qualys, SonarQube, Trivy, GuardDuty and automated compliance controls within CI/CD pipelines, achieving zero security audit findings across the last two compliance cycles.
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- ❖ **Cloud Modernization:** Driving cloud transformation initiatives by modernizing enterprise platforms, migrating legacy workloads to AWS, adopting MongoDB Atlas, and improving application scalability, availability, and operational resilience.
- ❖ **Observability & AI Automation:** Establishing enterprise observability using New Relic, Prometheus, Grafana, Loki, ELK Stack, and CloudWatch while leveraging Generative AI to automate Infrastructure as Code, monitoring, incident analysis, and engineering workflows.

Achievements:

- ❖ **Migrated production workloads from ECS → EKS,** building a self-service Kubernetes platform with Argo CD, Helm, Istio & Karpenter, enabling teams to deploy independently, cutting infrastructure intervention by ~70% and improving deployment reliability significantly.
- ❖ **Designed and delivered a comprehensive CI/CD enablement program** for engineering teams, increasing adoption of DevOps best practices and improving deployment proficiency and confidence.
- ❖ Reduced average deployment time by approximately **60%** through the implementation of advanced deployment strategies & automated release pipelines, significantly improving release speed & reliability.
- ❖ Reduced cloud expenditure by **56%**, generating annual cost savings of approximately **₹7 Crores** through strategic FinOps initiatives, infrastructure optimization, intelligent resource governance, and continuous cost governance to sustain savings year-round.
- ❖ Developed and implemented an automated Disaster Recovery platform that reduced Recovery Time Objectives (RTO) by **58%**, substantially strengthening business continuity and operational resilience.

**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 while ensuring minimal business disruption.
- ❖ Designed AWS architectures aligned with ISO and SOC2 compliance requirements.
- ❖ Established Jenkins and AWS CodePipeline-based CI/CD framework from scratch and conducted enablement sessions for engineering teams.
- ❖ Implemented Infrastructure as Code using Terraform, CloudFormation, and Ansible to standardize cloud provisioning.
- ❖ Embedded cloud security best practices covering IAM, encryption, compliance, and monitoring into 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**

- ❖ Provided round-the-clock operational support for high-performance computing nodes, managing job submissions and ensuring system health for weather forecasting applications.
- ❖ Developed Bash automation scripts to monitor data outputs and identify anomalies, significantly reducing the need for manual checks and enhancing operational efficiency.
- ❖ Managed secure data transfers and remote system administration, ensuring data integrity and security during data handling processes.



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 | AWS Lambda | Terraform

- Developed an enterprise Disaster Recovery automation platform enabling one-click failover and failback across AWS regions.
- 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.