

NISHANT SHARMA

Tech Lead — DevSecOps | Platform & Cloud Engineering at Fintech Scale

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PROFESSIONAL SUMMARY

DevSecOps Tech Lead with **8+ years** building platforms for regulated, high-throughput fintech. At BharatPe, I lead the platform supporting **200+ microservices** and **200+ engineers** across AWS, OCI, and GCP — serving **17M+ users** and ~10M monthly transactions. I've cut multi-cloud spend by **\$1.8M/year**, run **~0 RPO / <30-min RTO** disaster recovery drills on a half-yearly cadence, and cleared every audit thrown at the org (RBI, SOC 2, ISO 27001, GITC, IS) on first attempt. Comfortable owning platform strategy end-to-end — Kubernetes, IaC, GitOps CI/CD, security tooling, observability, developer self-service.

SELECTED IMPACT

- **Migrated production fintech workloads from AWS to Oracle Cloud in 3 months** — 15 services, 3 MySQL databases, 2 TB of data — with the only downtime being a planned 6-hour DNS cutover. **Cut infra spend ~30%** on the migrated estate, and engineered a custom Cloudflare CDN integration to compensate for OCI's lack of a native CDN.
- **Rebuilt the entire CI/CD posture at BharatPe on a GitOps foundation** (ArgoCD, Devtron, GitLab, Helm) — taking deployments from 5/week to 5/day and shrinking deployment time from 30 minutes to under 5. **80% faster shipping** across **200+ services** used by **200+ engineers**.
- **Built and operate a custom Self-Service Platform** that eliminated **~60% of recurring DevOps toil** — access requests, ad-hoc DB queries, Kafka topic creation, API whitelisting, SSL renewals, and self-destructing ephemeral non-prod environments. Recognised twice (Dine with DevOps, India DevOps Show — Bengaluru) for Best Team Project in DevOps Automation.

TECHNICAL SKILLS

Cloud	AWS (primary), Oracle Cloud (OCI), GCP, Azure (basic)
Containers & Orchestration	Kubernetes (EKS, OKE), Docker, Helm, Karpenter
CI/CD & GitOps	ArgoCD, Devtron, Jenkins, GitLab CI, GitHub Actions
IaC & Automation	Terraform, Ansible, Packer, Shell, Python
Observability	Prometheus, Grafana, Signoz (APM), New Relic, LogicMonitor, Zabbix, Coralogix, ELK, Loki
Security & Compliance	Orca Security, SonarQube, Semgrep, Nexus, SIEM; RBI, SOC 2, ISO 27001, GITC, IS
Reliability	Disaster Recovery (~0 RPO / <30 min RTO), cross-region failover, biannual DR drills
Databases	MySQL, PostgreSQL, MongoDB

PROFESSIONAL EXPERIENCE

Tech Lead — DevSecOps

Jul 2022 – Present

BharatPe · Gurgaon, India

- **Lead the platform organisation** — supporting 200+ microservices and 200+ engineers across AWS, OCI, and GCP for a fintech serving 17M+ users and ~10M monthly transactions. Manage a team of **5 direct reports** across DevOps, SRE, and Cloud Security.
- **Cut multi-cloud spend by \$150K/month** (~\$1.8M/year, from \$550K → \$400K) through Karpenter-based node scaling, instance right-sizing, workload consolidation, and selective AWS → OCI migration.
- **Owned the AWS → Oracle Cloud migration** of the Zillion Rewards estate (formerly Payback) — 15 services, 3 MySQL databases, 2 TB of data — completed in 3 months with a single 6-hour planned DNS-cutover window as the only downtime. Engineered a custom Cloudflare integration to fill OCI's CDN gap. **~30% cost reduction** on the migrated workloads.

- **Re-architected CI/CD org-wide on GitOps** — ArgoCD + Devtron + GitLab + Helm. Deploys went from 5/week to 5/day; deployment time dropped from 30 minutes to <5 (80% reduction). Shifted security left with SonarQube, Semgrep, Nexus, and Orca quality gates.
- **Run half-yearly Disaster Recovery drills with ~0 RPO and <30-minute RTO** across critical payment and rewards services — designed, scripted, and rehearsed cross-region failover end-to-end.
- **Owned end-to-end DevOps for BharatPe UPI, Zillion Rewards, and Trillion Loans launches** — infrastructure, release, observability, and on-call from zero through scale.
- **Built and operate the custom Self-Service Platform** — automating access requests, DB queries, Kafka topic creation, API whitelisting, SSL renewals, and ephemeral non-prod environments with auto-destruct. Eliminated ~60% of recurring DevOps toil for the engineering org.
- **Cleared RBI, SOC 2, ISO 27001, GITC, and IS audits** on first attempt — owned all DevOps, change-management, and access-control evidence; designed processes to keep evidence audit-ready by default.
- **Migrated VM-based workloads to Kubernetes**; integrated newly-acquired companies' infrastructure (networking, IAM, secrets, CI/CD) with low-disruption transitions; stood up Prometheus/Grafana metrics and Signoz APM for Java and Python services.

Site Reliability Engineer II

Jan 2022 – Jul 2022

Innovaccer · Noida, India

- Built GitOps-based deployments on AWS EKS using ArgoCD, GitLab CI, and Helm; onboarded multiple microservices end-to-end.
- Managed infrastructure with Terraform and operated Kafka workloads (both managed and self-hosted on EKS).

Senior DevOps Engineer

Feb 2021 – Jan 2022

Airtel Digital (Wynk) · Gurgaon, India

- Built a parameterised Terraform module for AWS EMR cluster creation; rolled out SSO across AWS, JIRA, and GitHub with automated user provisioning.
- Built a **live-streaming pipeline with content moderation** using AWS IVS and Rekognition (audio + video).
- **Cut non-prod cloud costs** via on-demand Jenkins-driven environment creation/teardown and migration from on-demand to spot/reserved instances; contributed to SOC 2 certification.

Software Engineer 2 — DevOps / SRE

Jun 2019 – Feb 2021

Sophos · Gurgaon, India

- **Led the production infrastructure revamp** — migrated everything to Terraform IaC, deployable end-to-end with one click for Disaster Recovery; built automated cross-account backups for RDS and Elasticsearch.
- Migrated environments under VPC for a private-by-default posture; built Terraform pipelines for Azure; automated deployments via Ansible + Jenkins; contributed to SOC 2 certification.

DevOps Engineer

Jan 2019 – May 2019

Rivigo · Gurgaon, India

- Migrated Java workloads from Elastic Beanstalk to EC2 with Ansible-driven deployments; contributed to service containerisation with Docker.
- Built environment-creation automation with Terraform, Packer, Ansible, and Bash; set up monitoring via Prometheus, Grafana, and ELK.

DevOps Engineer

Nov 2017 – Jan 2019

Birdeye · Gurgaon, India

- **Drove ~\$20K/month in cloud savings** through migration to spot and reserved instances as part of the company-wide Frugal initiative.
- Built production AWS infrastructure with Terraform, Packer, Ansible, and Jenkins; rolled out Zabbix, New Relic, Grafana, and ELK monitoring; supported Java/Tomcat workloads under VPC.

EDUCATION & RECOGNITION

B.E., Computer Science, Lovely Professional University, Jalandhar · Jul 2013 – May 2017

Awards: Technical Genius Award (BharatPe) · Best Team Project — DevOps Automation, Dine with DevOps & India DevOps Show, Bengaluru.