

Sitaram Shelke

Senior Site Reliability Engineer

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SUMMARY

Senior Site Reliability Engineer with experience building and operating large-scale cloud platforms, Kubernetes infrastructure, and observability systems. Experienced in reliability engineering, infrastructure automation, platform tooling, production readiness, incident response, and cloud migrations across AWS and GCP environments. Strong background in scaling distributed systems, improving operational efficiency, and enabling engineering teams through internal platforms and automation.

PROFESSIONAL EXPERIENCE

NVIDIA — Senior Site Reliability Engineer

Oct 2025 — Present | Pune, India

- Part of the SRE team supporting an internal data ingestion and analytics platform used by multiple engineering teams across the organization.
- Manage and improve reliability, scalability, and operational excellence for a large-scale AWS infrastructure footprint consisting of 90+ EKS clusters and 10+ Kafka clusters.
- Build internal tooling and automation to streamline infrastructure operations, improve developer productivity, and reduce operational toil.
- Built an internal AI-powered SRE triage agent leveraging infrastructure and observability signals to assist engineers with incident investigation and production debugging workflows.
- Review architecture and production readiness for platform services, driving reliability, observability, scalability, and security best practices across teams.
- Own and enhance observability platforms using Prometheus, Loki, Grafana, Tempo, and Elasticsearch for monitoring, logging, and distributed tracing.
- Participate in on-call rotations, troubleshoot production incidents, perform root cause analysis, and drive long-term reliability improvements.

Instabase Inc — Senior Site Reliability Engineer

Jul 2024 — Oct 2025 | Remote, India

- Led deployment process optimization initiatives reducing deployment duration by 40% through instrumentation, monitoring dashboards, and automated alerting.
- Improved service resiliency against Kubernetes node restarts and enhanced overall platform availability.
- Enhanced internal vulnerability management tooling and presented the work at Kubernetes Community Days Bengaluru.
- Hardened self-managed OpenSearch infrastructure for FedRAMP compliance and strengthened overall security posture.
- Mitigated infrastructure security findings and removed dependencies on third-party container registries.
- Spearheaded GA readiness activities for a major Q3FY25 product release.
- Improved operational processes and documentation for infrastructure provisioning, decommissioning, and handovers.

One2N Consulting — Lead Site Reliability Engineer

Oct 2020 — Jun 2024 | Pune, India

- Achieved 99.9% availability for business-critical fintech services serving 8M+ users through CI/CD improvements, canary deployments, autoscaling, and Kubernetes platform engineering.

- Built ArgoCD-based preview environments on AWS EKS to improve developer workflows and deployment safety.
- Managed and scaled a 1.3TB MySQL cluster handling 20k reads/sec and 8k writes/sec using ProxySQL.
- Led zero-downtime cloud migrations across Alicloud, GCP, Azure, and AWS environments for both databases and microservices.
- Executed large-scale schema migrations for 400M+ row tables using gh-ost with minimal operational impact.
- Defined SLIs/SLOs, improved observability using Datadog, and delivered significant cloud cost optimizations.

Altizon Inc — Senior Software Engineer

Aug 2016 — Oct 2020 | Pune, India

- Owned infrastructure running containerized workloads on AWS supporting 20+ microservices including databases, caches, event buses, and web applications.
- Built tooling and operational workflows enabling developers to debug production performance and reliability issues.
- Contributed to core platform features, proof-of-concepts, and new product initiatives.
- Developed a CMS with GitHub integration enabling restart-free ReactJS deployments.

EDUCATION

Bachelor's in Computer Engineering, PICT, Pune, India

2012 — 2016

SKILLS

Programming: Python, Go, Ruby, JavaScript

Cloud & Infrastructure: AWS, GCP, Kubernetes, Docker, Terraform, EKS

Observability: Prometheus, Grafana, Loki, Tempo, Datadog, Elasticsearch

Databases & Messaging: MySQL, PostgreSQL, MongoDB, Kafka

DevOps & CI/CD: Jenkins, ArgoCD, GitOps