

Harshit Luthra

SENIOR SITE RELIABILITY ENGINEER

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"A tinkerer with a curious mind"

SUMMARY

Senior Site Reliability Engineer with **7+ years** running cloud-native, multi-tenant SaaS platforms on AWS, GCP, Azure, and on-prem. Held **99.99% uptime** for systems serving **4M+ daily users** at **1M RPM** while bringing infrastructure cost down. Solid hands-on background across Kubernetes, Terraform, observability, and DevSecOps. Comfortable owning incidents from the first page to the post-mortem, and used to working alongside engineering and customer teams to keep production healthy.

EXPERIENCE

TrueFoundry

India

SENIOR SITE RELIABILITY ENGINEER

Sep 2024 – Present

Own platform reliability, observability, incident response, and customer success for a multi-tenant SaaS platform serving enterprise ML workloads across AWS, GCP, Azure, and on-prem.

- Built a modular **Terraform** framework that cut client onboarding time by **70%**, so the platform deploys across AWS, Azure, GCP, and on-prem with minimal config changes. Paired it with cloud Marketplace listings that grew self-service signups **40%**.
- Moved the logging stack off Grafana Loki onto **VictoriaLogs**. Query latency dropped **94%**, storage shrank about **40%**, and ingestion tripled while CPU and RAM use roughly halved. Wrote up the benchmarks in a public engineering blog.
- Built a severity-tiered incident and on-call setup on Sentry, Grafana, and New Relic, wired into Zenduty and Slack, with alerts routed to the right team across five domains. **MTTR** and on-call noise both came down.
- Ran a platform-wide monitoring overhaul: split alerts into **P0/P1** tiers and moved critical components to New Relic after a PoC. Signal quality went up and observability spend stayed flat.
- Tightened multi-tenant isolation with namespace-scoped **RBAC** and resource governance, and standardized security contacts, Kubernetes labels, and resource conventions across the fleet.
- Act as the escalation point for messy multi-cloud debugging on **EKS, GKE, and AKS**: Karpenter autoscaling, EFS/CSI mounts, GPU scheduling, IAM/IRSA, networking, and airgapped registries, without breaking enterprise SLAs. Customers include Riot Games and Zscaler.

Primetrace (Kutumb Crafto)

India

INFRASTRUCTURE LEAD (FOUNDING ENGINEER)

Feb 2021 – Sep 2024

Built and ran AWS infrastructure on self-hosted Kubernetes for a product at 4M DAU and peak loads of 1M RPM. Monitoring followed RED and USE methods on Prometheus, Grafana, Elastic-APM, Pyroscope, Loki, and Robusta.

- Cut annual cloud spend by **\$200K** through self-hosted services, tighter pod and node binpacking, spot instances, and trimming flow-log and metrics volume.
- Kept **99.99% uptime** for stateless workloads on **95% spot instances**, using time-based scaling and node hibernation during quiet hours.
- Ran highly available multi-broker **Apache Kafka** clusters and a multi-node ELK Stack on spot instances, keeping data safe without overspending.
- Got deploys under **a minute** with self-hosted GitHub Runners on spot instances, tied into ArgoCD and Devtron.
- Rolled out **IPv6** across the stack and added AWS Global Accelerator to cut latency for overseas users, and locked down clusters with network policies and RBAC.

smallcase

DEVOPS ENGINEER

India

Feb 2019 – Sep 2020

Looked after core infrastructure (OpenVPN, Heartbeat, Elastalert, Grafana) and developer tooling, wrote Ansible automation, and tuned CI/CD on Jenkins and AWS CodeDeploy.

- Brought operational costs down **90%** without hurting service quality.
- Set up **HAProxy** load balancing, which improved network performance and brought response times down.
- Built fault-tolerant data infrastructure on multi-broker Apache Kafka and a distributed ELK Stack on spot instances.

Udacity

TECHNICAL MENTOR

Remote

Apr 2018 – Present

- Mentor students in Android and Python development; review their project submissions and give feedback on code quality.

SKILLS

Cloud Platforms	AWS, Azure, GCP, Terraform, CloudFormation
Containerization	Kubernetes, Docker, Helm, Kustomize, ArgoCD, GitOps
Infrastructure	Infrastructure as Code (IaC), Linux, Ansible, Jenkins, GitHub Actions
Networking	Istio, Traefik, HAProxy, Load Balancing, RBAC, Network Policies, OpenVPN, IPv6
Observability	Prometheus, Grafana, VictoriaLogs, Loki, ELK Stack, Elastic-APM, New Relic, Tempo, Distributed Tracing
Data Systems	Apache Kafka, Redpanda, RabbitMQ, PostgreSQL, MySQL, Redis, Airbyte, dbt, Airflow, Spark
Programming	Python, Go, Bash, Java, Git, CI/CD Pipelines

EDUCATION

Chitkara University

Punjab, India

B.E. IN COMPUTER SCIENCE AND ENGINEERING

2016 – 2020

- Graduated with **9.29 CGPA** (Distinction); specialization in Cyber-Security.
- Coursework: Distributed Systems, Network Security, Cloud Computing, Database Management, Operating Systems.

CERTIFICATIONS

- **CKS**: Certified Kubernetes Security Specialist (2023)
- **CKA**: Certified Kubernetes Administrator (2021, renewed 2023)
- **AWS Solutions Architect, Associate** (2019)
- Udacity Nanodegrees: Android Development, Data Structures, Python Foundation (2018)

HONORS & AWARDS

- **2024** Winner (2x), AWS GameDay: Security & Resilience
- **2023** Runner-up, AWS GameDay: Microservices
- **2018** Winner, MSHacks 2.0, Microsoft Hackathon
- **2018** Winner, Code Breakers, CSI Chandigarh
- **2018** Runner-up, Octahacks & SAP Next-Gen Hackathon