

Navneet Lal Gupta

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SUMMARY

Tech Lead with 7+ years building distributed backend systems from scratch and leading large-scale platform modernizations. Most recently: built new real-time data infrastructure and led migrations of 40+ services across runtimes, container platforms, and CI/CD.

EXPERIENCE

Ushur Inc

Jan. 2024 – Present

Technical Lead

Bangalore, IN

- Designed and built (sole engineer) the company's first analytics platform: **Debezium CDC** → **Kafka**, with **StarRocks** powering ms-latency customer dashboards and a **Spark + Iceberg lakehouse** (bronze/silver/gold, Airflow orchestrated, 10-15 TB) serving ML and historical analytics. Replaced analytics load on multi-tenant Mongo (~50 collections/tenant)
- Led migration of 45 microservices** from EC2/systemd to EKS — 250+ instances across customer tenants — cutting deploy time from **90min** → **20min**, reducing **infra cost by 30%**, and enabling autoscaling for the first time. Authored runbooks SRE used for the customer rollout
- Led **EOL runtime upgrades across 43 services** — Java 8→17 (35 services, with 2 engineers) and Node.js 8→18 (8 services, solo) — closing **100+ CVEs** across the platform; the hard part was cascading transitive dependency updates blocked by the end-of-support runtimes

Intugine Technologies

Dec. 2020 – Jan. 2024

SDE III (Technical Lead)

Bangalore, IN

- Tech-led a **5-engineer team (3 backend, 2 frontend)** building mid-mile logistics tracking for enterprise quick-commerce customers (Instamart, Zepto) — ingesting GPS telemetry from **8–10k vehicles** across Indian metros (10–30s pings based on motion state, 40–80M events/day)
- Built the org's first **CI/CD pipeline (Jenkins, solo)** and migrated 7–10 services to EKS — deploy frequency **1/week** → **2–3/day** with autoscaling enabled. Rolled out **Keycloak as the customer-facing SSO layer**, replacing custom auth with managed identity flows
- Built the platform's **integration layer** — carrier APIs (Wheelseye, others), customer-internal systems, and third-party fleet/contract-management tools — with **cross-source GPS normalization and noise filtering**; expanded device coverage and unlocked customer onboarding regardless of their existing tracking stack

NIIT Ltd.

Aug 2018 – Dec. 2020

Executive Product Engineer

Bangalore, IN

- Built from scratch a **unified activity ingestion platform on Kafka + Cassandra** — a collector service normalizing event streams from internal tools (GitLab, quiz apps, learning apps, etc.) into the **Activity Streams 2.0 spec** to power cross-tool analytics; picked Cassandra for write-heavy multi-source ingestion
- Built **API backends (Express.js + Lambda + DynamoDB)** for a student onboarding and assessment platform — **bulk-provisioning 1000+ students** at a time into self-hosted GitLab (accounts, groups, assignment releases), with mentor review workflows and **ANTLR-based code-quality grading**

SKILLS

Data & Distributed Systems : Apache Kafka, Debezium, Kafka-Connect, Apache Spark, Apache Airflow, Apache Iceberg

Cloud & Infrastructure : AWS (EKS, Lambda, S3), Kubernetes, Docker, Terraform, Jenkins

Observability : OpenTelemetry, Grafana, Loki, Tempo, VictoriaMetrics

Languages : Node.js, TypeScript, Java, Python, JavaScript

Databases & Messaging : MongoDB, PostgreSQL, DynamoDB, Cassandra, Redis, RabbitMQ

APIs & Frameworks : Express.js, GraphQL, gRPC, React.js, Keycloak, ANTLR4

EDUCATION

Nagpur University

July. 2014 – May 2018

Bachelor of Engineering in Electronics & Communication

Nagpur, IN