

Ravi Sharma

Backend Engineer | Distributed Systems | Node.js | Kafka | Blockchain

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EDUCATION

- **National Institute of Technology, Srinagar** Srinagar, India
B.Tech in Computer Science 2019 – 2023
- **Jawahar Navodaya Vidyalaya, Bhilwara** Bhilwara, India
Senior Secondary Education 2016 – 2018

SKILLS

- **Core:** Node.js, Kafka, Redis, MongoDB
- **Backend:** Express.js, Spring Boot
- **Databases:** MySQL, Elasticsearch
- **Cloud/DevOps:** Docker, GCP, CI/CD
- **Blockchain:** Ethers.js, TronWeb

EXPERIENCE

- **USquare Technologies | Backend Engineer** [\[link\]](#) Jan 2026 – Present
 - Built **fault-tolerant event-driven blockchain ingestion systems** (BSC, Ethers.js) processing on-chain events with long-running listeners, ensuring reliable event ingestion and RPC-safe execution for **20K+ active users**.
 - Designed **real-time pipelines (chain → backend → clients)** using Socket.io, enabling instant updates and eliminating polling-heavy architectures.
 - Developed **financial & compensation engines** with cron-based batch processing, handling **1K+ records per batch** and **250 ops/transaction**.
 - Ensured system correctness via **reconciliation tooling (audits, gap detection, backfills)** and idempotent job design.
- **CoreShield Technologies | SDE 1** [\[link\]](#) June 2025 – Jan 2026
 - Built **Kafka (KRaft) cluster** for **10K+ users** with **<100ms latency** and **99.9% uptime**.
 - Established **SSL/TLS infrastructure** across **8+ microservices** with A+ SSL Labs rating and zero-downtime cert rotation.
 - Developed **ELK-based observability pipeline**, processing **1000+ logs/min** and reducing storage costs by **70%**.
 - Reduced deployment time from **4+ hours to 15 minutes** using Docker-based microservices setup.
- **Zelta Labs | Associate Backend Developer** [\[link\]](#) Apr 2023 – May 2025
 - Engineered backend services (Node.js, MongoDB, Elasticsearch), reducing latency by **50%** for **30K+ users**.
 - Built Kafka-based CQRS pipeline resolving **95% data inconsistencies**.
 - Deployed microservices on GCP with CI/CD achieving **99.9% uptime**.

PROJECTS

- **API Gateway** [\[link\]](#) Nov 2025 – Dec 2025
 - Built high-performance API Gateway handling **30K RPS** with JWT auth and Redis-based rate limiting.
- **Payment Settlement System** [\[link\]](#) May 2025 – Jun 2025
 - Developed distributed payment system using **Kafka + MySQL**, ensuring ACID consistency and idempotent processing.

ACHIEVEMENTS

- Qualified **JEE Advanced**, a national-level engineering exam.
- Secured **AIR 3** in ResoSTEP National Talent Examination. [\[link\]](#)
- Led a team of **100+ students** as House Captain at JNV.
- Cleared **JNVST** selection exam.