

Ravi Shukla

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[GitHub](#) • [LeetCode](#) • [LinkedIn](#) • [Portfolio](#)

Summary

Senior Software Engineer with **3+ years** in backend and distributed systems (Java, Kafka, Redis, MongoDB, Elasticsearch) across **3 teams**. Led migrations, event-driven architecture, AI-driven solutions, and vector search implementations, reducing costs by **12%**. Skilled at resolving complex production issues. Seeking backend-heavy roles.

Experience

Tracxn, Bangalore, India

Senior Software Engineer

May 2024 – Present

- Reduced infrastructure costs by **12%** by tuning Elasticsearch queries.
- Migrated Elasticsearch (7.17 to 8.4) infrastructure with **zero downtime**.
- Implemented event-driven architecture with Kafka, supporting **20M+ daily events**.
- Developed framework for POC with LLM and vector search, enabling **20% faster** search capabilities.
- Deployed vector search framework in production, improving search accuracy by **15%**.

Software Engineer

May 2022 – May 2024

- Migrated **15+ libraries** from Groovy to Java across **2 teams**, enhancing code maintainability.
- Integrated Redis caching layer in **3 critical** data pipeline paths, reducing latency by **50%**.
- Upgraded MongoDB clusters and identified and fixed a bug in SOP.

Dominant Infotech, Surat, India

Node.js Intern

Feb 2022 – Apr 2022

- Developed Result Portal API with mail verification using Node.js and Express.
- Built Crypto Trading APIs integrating Binance and Tron for **1K+ daily transactions**.

Skills

Languages: Java, JavaScript, Python

Frameworks/Tools: Node.js, Express, Kafka, Redis, MongoDB, Elasticsearch, Vector Search

DevOps: AWS EC2, Git, GitHub

Concepts: System Design, Data Structures & Algorithms, REST APIs, Debugging, AI Implementation

Personal Projects

Udemy Clone

[GitHub](#)

- Built MERN stack e-learning platform with cart and streaming, optimizing MongoDB queries for **2x faster** performance.
- Tech: MongoDB, React, Redux, Express, Node.js.

YouTube Music Clone

[GitHub](#)

- Developed search and playlist features, using efficient Node.js backend APIs.
- Tech: HTML, CSS, JavaScript, Node.js, Express.

Education

B.E. in Electronics & Communications, CGPA: 9.19

Government Engineering College, Surat

2018 – 2022

Full Stack Web Development

Masai School

2021 – 2022

Certificates

- Server-side Development, Coursera (2020).

Interests

- Backend Development, System Design, Fitness