HARSH VANSJALIYA

SOFTWARE DEVELOPER | Backend & Systems (Java, Spring Boot, Python)

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SUMMARY

Software Developer with **~2 years of startup experience**, primarily in **frontend engineering (Next.js, React, TypeScript)**, now transitioning into **backend and systems development**. Currently building expertise in **Java Spring Boot, Python Django, microservices, and system design** through self-driven projects. Strong foundation in **DSA, DBMS, OS, CN**, with a proven ability to quickly adapt to new technologies and deliver scalable solutions. Passionate about applying backend engineering skills to **financial systems, SaaS products, and high-performance applications.**

WORK EXPERIENCE

Software Developer | Algoacharya - Ahmedabad | Sept 2023 – May 2025 | 1.9 Years
Fintech startup building algorithmic trading platforms for the Indian stock market.

- **Owned frontend development** of a trading platform using **Next.js, TypeScript, Tailwind CSS**, delivering responsive and high-performance UIs for live trading.
- Built **custom component libraries, dark mode, and real-time dashboards**, improving trader usability and engagement.
- Integrated **GraphQL/REST APIs**, reducing data fetch latency by **40%** and boosting system responsiveness.
- Collaborated with backend teams to understand **Django/PostgreSQL pipelines**, applying knowledge to self-driven backend projects.
- Mentored interns, one of whom transitioned into a full-time developer role, fostering team growth and knowledge sharing.

PROJECTS

Patient Management System | Spring Boot, PostgreSQL, Kafka, gRPC, Docker | GitHub
- Designed a **Java microservices system** to manage patient records, billing, and analytics.
- Implemented **inter-service communication** via gRPC and **async messaging** with Kafka.
- Deployed services with Docker Compose, gaining **containerization & cloud-ready** architecture experience.

Hotel Reservation App | Next.js, Prisma, PostgreSQL | Live | GitHub
- Designed a full-stack booking platform with **auth, listings and reservations**.
- Built **REST APIs + database schema** using Prisma/PostgreSQL for efficient data handling.

SKILLS

Backend: Java (Spring Boot), Python (Django), Node.js (Express), REST, GraphQL, gRPC, Kafka
Databases: PostgreSQL, MySQL, MongoDB | Data modelling
CS Fundamentals: DSA, DBMS, OS, Computer Networks
Tools: Git, Docker, Prisma ORM, Postman
Frontend (work exp.): Next.js, React, TypeScript, Tailwind CSS

CERTIFICATIONS & ACHIEVEMENTS

- **HackerRank**: Java (Basic), JavaScript (Basic & Intermediate), Problem Solving (Basic)
- **Competitive Programming**: 5⭐ Java | 3⭐ Problem Solving (HackerRank) | 170+ LeetCode problems solved

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EDUCATION

B.E. Computer Engineering | SVIT, Vasad (GTU, Gujarat)) | 2019 – 2023