HARSH VANSJALIYA

SOFTWARE DEVELOPER | FULL STACK DEVELOPER

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SUMMARY

Full Stack Developer with 2 years of experience building **high-performance trading platforms** at a fintech startup. Skilled in **Next.js, React, and TypeScript**, with hands-on experience integrating live market data and shipping performance-critical interfaces. Actively expanding backend depth through **Node.js, FastAPI, PostgreSQL, Redis, and Docker**, with multiple full-stack projects built end-to-end. I care about clean systems, fast execution, and shipping products that actually matter.

WORK EXPERIENCE

Software Developer | Algoacharya , Ahmedabad
September 2023 – May 2025
Fintech startup developing algo-based trading platforms for the Indian stock market.

- Contributed to the **frontend development** of a trading platform using **Next.js**, **TypeScript**, and **Tailwind CSS**, building responsive and modular dashboards.
- Built **custom, reusable UI components** and handled state management using **Zustand** and **Redux Toolkit**.
- Integrated **GraphQL APIs** for live market data and optimized refetch intervals to improve perceived responsiveness.
- Worked closely with backend and product teams to debug API issues, refine workflows, and align on data models.
- Introduced and maintained **code quality tools** like **ESLint** and **Prettier**, ensuring consistent, maintainable code.
- Participated in **UI performance reviews** and refactoring efforts to improve load speed and component efficiency.
- Worked closely with the backend team to trace data-flow issues, **debug false-trade** scenarios, and **validate Django/PostgreSQL** services using my own test harnesses and repos.

PROJECTS

Tailor Management System *(In Progress)* | Frontend Repo | Backend Repo
Full-stack app for managing tailoring shops — users, customers, and measurements.

- **Backend:** Node.js, TypeScript, Express, Drizzle ORM, PostgreSQL, Docker.
- Implemented CRUD for Users, Customers, and Measurements with auth and validation.
- Added tooling with **Husky**, **Commitizen**, **ESLint**, and **Prettier** for clean commits and code quality.
- **Frontend:** Next.js, TypeScript, Tailwind CSS, shadcn/ui, Axios.
- Built modular UI for CRUD flows.

Shortify - URL Shortener *(In Progress)* | GitHub

- Built a high-performance URL shortener using FastAPI, PostgreSQL, Redis, and Docker.
- Designed deterministic short IDs using SHA-256 + Base62 encoding for collision-free URL generation.
- Implemented Redis caching layer (7-day TTL) achieving sub-1ms redirect performance.
- Deployed async REST APIs with automatic Swagger documentation and SQLAlchemy ORM for database operations.

SKILLS & INTERESTS

- **Frontend:** React.js, Next.js, TypeScript, Tailwind CSS, Redux Toolkit, Zustand, React Query
- **MERN Stack**: Node.js (Express.js), React.js, MongoDB, TypeScript
- **Backend**: REST APIs, GraphQL, FastAPI, PostgreSQL, Redis
- **Cloud & DevOps**: AWS (S3, EC2), Docker, Docker Compose, Git, GitHub
- **Testing**: Jest, React Testing Library, Vitest
- **Other**: OOP principles, Performance optimization, Reusable component architecture
- **Languages:** TypeScript, JavaScript, Python, Java

EDUCATION

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