

# 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.

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### 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.
  - Gained exposure to backend architecture through shadowing senior developers on Django/PostgreSQL systems.
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### 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.
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### SKILLS & INTERESTS

- Frontend:** Next.js, React.js, TypeScript, Tailwind CSS, Redux Toolkit, Zustand, React Query
  - Testing:** Vitest, Jest, React Testing Library
  - Build Tools:** ESLint, Prettier, Vite (learning Webpack)
  - Backend:** Node.js (Express.js), FastAPI, Python, REST APIs, GraphQL
  - Database:** PostgreSQL, MongoDB, Redis, Firebase
  - Tools:** Git, GitHub, Postman, Docker, Docker Compose
  - Languages:** TypeScript, JavaScript, Python, Java
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### EDUCATION

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