

Vilas Chauhan

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LINKEDIN | LEETCODE | PORTFOLIO | GITHUB

EDUCATION

LOKMANYA COLLEGE OF COMPUTER APPLICATION

COMPUTER APPLICATIONS BACHELORS

Percentage: 82%

July 2020 - July 2023

Ahmedabad, Gujarat

EXPERIENCE

SEAFLUX TECHNOLOGIES | SOFTWARE ENGINEER

Ahmedabad, Gujarat | September 2024 – Present

Owned the end-to-end frontend architecture for a high-frequency crypto trading platform, building the system from scratch with a strong focus on performance and scalability enabling multi-exchange real-time trading.

Led frontend development efforts across the full product lifecycle, collaborating closely with product managers and backend engineers while executing Agile/Scrum workflows.

Developed and shipped a production-grade React Native application to the Apple App Store and Google Play Store, supporting 1M+ global doctors with optimized rendering, efficient data fetching, and a reliable location-based discovery experience.

Contributed to an open-source microservices platform, building and maintaining features in a distributed system.

Mentored interns, conducting code reviews, improving training plans with the current frontend technologies and patterns.

SEAFLUX TECHNOLOGIES | JUNIOR SOFTWARE ENGINEER

Ahmedabad, Gujarat | September 2023 –

September 2024

* Delivered a high-performance React Native app by significantly improving speed, stability, and UX; reduced app bundle size by ~24 MB, which led to an expanded project scope where the client entrusted our team with web and backend development within the first few months.

* Built a fully responsive, production-grade web dashboard using Next.js, revamping the entire UI and improving usability, navigation flow, and accessibility, resulting in an estimated 3040% improvement in user engagement.

* Integrated multiple backend APIs to enable real-time, data-driven user experiences, optimizing data fetching and state management for faster page loads and smoother interactions.

* Designed and implemented a scalable backend service from scratch using NestJS, following clean architecture and RESTful best practices, supporting secure authentication, business logic, and API integrations.

* Contributed as a full-stack engineer early in tenure, working across mobile (React Native), web (Next.js), and backend (Node.js / NestJS), accelerating feature delivery and reducing cross-team dependencies.

SEAFLUX TECHNOLOGIES | SOFTWARE ENGINEERING INTERN

Ahmedabad, Gujarat | June 2023 –

September 2023

* Joined Seaflux technologies as a Software Intern.

* Trained on Frontend technologies and got into a project within 2nd month.

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SKILLS

PROGRAMMING LANGUAGES

Javascript

LIBRARIES/FRAMEWORKS	TailwindCSS, React, NextJS, Tanstack Query, Tanstack Router, Redux, Redux Toolkit, NodeJS, ExpressJS, React Native, Expo, Typescript
TOOLS / PLATFORMS	Git, VS Code, Cursor, AWS, Xcode, Android Studio
DATABASES	Postgres

PROJECTS / OPEN-SOURCE

CRYPTO TRADING WEBAPP

React, Vite, Redux, WebSocket, Tanstack Query and Router

- * Architected and developed the end-to-end frontend for a multi-exchange crypto trading web application, supporting real-time trading workflows across multiple exchanges.
- * Implemented advanced authentication mechanisms, including social logins, 2FA, and passkey-based authentication, improving account security and user onboarding.
- * Designed and maintained complex WebSocket architectures, managing 3+ concurrent real-time connections to multiple exchange data streams for live market updates.
- * Integrated TradingView charts, enabling visualization of live price data, open orders, bot-generated trades, and detailed order history.
- * Built user interfaces for Spot and Futures trading, including advanced trading bots, real-time order book, and live trade execution views.
- * Delivered a fully functional Demo Trading Mode, allowing users to test strategies and bots without financial risk.

MUSIC + NFT PLATFORM

React Native, Redux, Thirdweb, NextJS, NestJS

- * Independently architected and developed a React Native Music NFT minting platform which helps musicians to build their audience and earn through music NFTs.
- * Built end-to-end features enabling artists and creators to collaborate, manage digital assets, and engage with communities through a unified platform.
- * Worked on API integrations and backend communication to handle creator profiles, content management, and platform interactions.
- * Optimized application performance, improving load times and cross-platform usability and not just that but refactored a lot of code which significantly reduced app size by around 4-6MB.

DOCTOR FINDER

React Native, NativeWind, Expo, MapBox

- * Independently architected and developed a cross-platform React Native mobile application enabling users to discover and connect with doctors nearby and worldwide.
- * Integrated Mapbox to display real-time doctor locations, supporting smooth map interactions and location-based discovery and implemented clustering increasing the performance of the app.
- * Designed scalable UI flows to handle 1M+ doctor profiles globally, ensuring performance and responsiveness across devices.
- * Led the end-to-end deployment of the application to both Apple App Store and Google Play Store.

HONORS & AWARDS

- Open source Contributions including HeroUI and Tanstack and more.
- I Was the Youngest Mentor in the team.