YADVENDRA SHARMA

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https://yadvendra.vercel.app/

Skilled backend developer. Worked on multiple production-level projects. Proven in project leadership, bug resolution, and system optimization. Seeking a backend developer role to contribute to innovative projects and advance professionally.

Skills

TypeScript. JavaScript, NodeJS, ExpressJS, PostgreSQL, MongoDB, Prisma ORM, Rest API, Web Sockets, AWS, Nginx, EC2, React, Python, Git, GitHub, O-Auth, JWT Authentication, Broker APIs for trading applications (KIET, Upstocks, etc).

Work Experience

Backend Developer Intern   Aug 2023
Small Town Talks – Kolkata, India (Remote)
- Developed a **freelancing platform**, a competitor to Upwork and Fiver.
- Used **Next** as the primary dev framework, **Next Auth** for authentication, **NodeJS** for WebSocket server & **PostgreSQL** as DB.
- Built real-time notifications and messaging features from scratch, utilizing **WebSocket**.
- Collaborated with front-end developers to optimize performance and ensure seamless user experience.

Back-End Developer Intern   Jul 2023
Degen Money – Gurugram, India
- Developed a trading platform, enabling traders to swiftly execute buy or sell orders, catering specifically to scalping strategies.
- Undertook a full time opportunity as a Back-End Developer. Primarily worked on server side using technologies including **NodeJS, Express, MongoDB, O-Auth, Mongoose**.
- Managed diverse data streams stemming via a web socket connection from **KITE** (A set of APIs from Zerodha).
- Created APIs that maintained client-server connections and performed trading operations, such as buying and selling financial instruments.
- Resolved Multiple bugs in JavaScript Code on both client and server side.
- Managed Database of user and Futures & Options' instrument data using **MongoDB Atlas, Mongoose**
- Deployed it on **AWS EC2** Linux instance using **NGINX** for reverse proxy and **PM2**.

Project

Options Scalper ([Link](#))
- **Synopsis**: A high-speed trading platform, enabling traders to swiftly execute buy or sell orders for options, catering specifically to scalping strategies.
- Leveraged **Upstox API** to design a robust backend system using **NodeJS & PostgreSQL**
- Established a **WebSocket** connection to retrieve real-time Last Traded Price (LTP) data for financial instruments. Implemented **OAuth 2.0** authentication for secure communication between our application and the **Upstox trading platform**.
- Ensured efficient execution of trades by optimizing server-side processing and database operations to handle complex financial data and executing high-frequency trading operations.

WhatsTrek: Auto-Responder for WhatsApp ([Link](#))
- **Synopsis**: Developed the backend for Whatstrek, an Android app that automates WhatsApp communication, including unsaved contact management, advanced auto-replies with keyword triggers, delayed follow-ups, and a template-based messaging system for efficiently handling inquiries.
- Built a system to collect and store notifications using **PostgreSQL** with **Prisma ORM** for database management.
- Utilized **Node.js, Express, and TypeScript** for backend development.
- Deployed the application on **AWS** for scalability and performance.
- Configured **Nginx** as a server proxy, **PM2** for process management, and implemented **SSL** certificates using **Certbot** for secure communications.

Achievements & Position of Responsibility

- **Won 1st place** in a hackathon competition at Shiv Nadar University leading a team that **outperformed 8 finalists** culled from a pool of over 50 contenders.
- Got selected as **finalists** at **10+ high-profile hackathons** such as Rajasthan IT Day, SNU's Envisage, COER Hackathon Roorkee, Hack IT Sapeians, etc.
- **Organized** a successful **virtual hackathon** with **over 30+ participation**

Education

Bachelor of Technology (B.Tech), **Computer Science & Engineering**   Aug 2024
IMS Engineering College

Senior Secondary   Aug 2020
Dehradun Public School, Sanjay Nagar, Ghaziabad