AYUSHMAAN PANDEY

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PROFILE SUMMARY

Full-stack developer passionate about advanced backend engineering and scalable systems design. Proven expertise in architecting, developing, and deploying high-performance web applications, with a focus on real-time interactions, efficient data management, and seamless user experiences. Demonstrated success through multiple end-to-end projects, from ideation to production, emphasizing optimization for concurrency, reliability, and low-latency performance. Eager to tackle complex challenges in distributed systems and innovative tech stacks.

TECHNICAL SKILLS

Languages – Go, Rust, Java, C++, JavaScript, Motoko, Typescript
Frontend -   ReactJs, ReduxJs, Tailwind, jQuery, HTML, CSS, WebRTC
Backend -   Gin, Spring Boot, NodeJs, ExpressJs, WebSocket, gRPC, Pub/Sub, MQ
Database-   SQL, Postgres, MongoDB
Other Skills - System & Database Design, Debugging, Postman, Data Structures & Algorithms, Git, Docker

WORK EXPERIENCE

IthiSaga Digitech Pvt Ltd, Hyderabad   Feb 2025 – Present
Backend Developer (Postgres, React, Express, Docker Compose, AWS)
- Migrated Whole Frontend to React. Handles Both Frontend and Backend Work. Implemented Role-Based Authorization. Map Integration Using MapMyIndia and Leaflet.
- Enhanced performance, achieving an 80% reduction in network requests, 50% fewer database queries, and 64.5% lower latency, while optimizing with efficient caching and preloading.

CourseConnect, Bengaluru   Nov 2024 – Jan 2025
Backend Developer Intern
- Designed and contribute in developing a full-stack application from scratch using Golang, Gin, Next.js and MySQL InnoDb.
- Optimized backend logic to significantly reduce storage resource usage by 80%, enhancing the application's efficiency and scalability

PROJECTS

Realtime Stock Exchange (End to End) - Github
- Real-time stock exchange for trading stocks using "Laddoo" base asset vs. INR quote, with P2P exchanges and authentic trading experiences.
- TypeScript/React frontend; backend via API server, trade engine, WSS, Pub/Sub, MQ, PostgreSQL. In-memory state management skips DB calls for faster, low-latency high-volume trading

2d Metaverse Workspace (End to End) - Github
- A 2D metaverse platform for real-time user interactions, collaboration, and social experiences via avatars and dynamic virtual spaces.
- Developed via **Test Driven Development** using Express.js, **WSS** for real-time backend, Prisma with PostgreSQL for data management, and React/TypeScript for frontend. Optimized by **Backend state management** to cut DB calls, reducing latency in high-concurrency scenarios.

Chat Application - **Github** - **Live**
- Full Stack project allowing users to chat with unsaved Messages. WebSocket, React in Typescript

EDUCATION

Pondicherry University   Pondicherry
Master of Computer Application (**GPA: 7.75**)   Dec 2022- May 2024

COURSE CERTIFICATES

Java Spring Framework | **ReactJs Development** | **Go Gin Framework** | **Full Stack Development**