OJAS TYAGI

Software Developer

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EDUCATION

B.Tech Computer Science and Engineering

Vellore Institute of Technology, Vellore

📅 September 2021 – May 2025   📍 Vellore

- Currently pursuing a B.Tech degree in **Computer Science and Engineering with specialization in Data Science**. Gained expertise in essential computer science topics such as data structures, algorithms, web development and other concepts.
- Played a key role in the **Google Developer Student Club** and **Codechef VIT**, organizing diverse events such as hackathons and workshops, successfully engaging over 5,000 participants.

EXPERIENCE

Software Developer Intern

Superjoin (Previously Stackit)

📅 August 2023 – January 2024   📍 Bangalore, India

- **Architected Kafka and REST APIs**: Enhanced data transfer efficiency and automated data integration, **reducing manual efforts by 40%**.
- **Engineered Stripe Paywall and Secure Collaboration Features**: Increased subscriptions by 25% with a seamless paywall, and introduced secure connection sharing within organizations without exposing sensitive keys.
- **Created CI/CD Pipelines with Jenkins**: **Reduced deployment time by 50%** through robust pipelines for production and pre-production builds. Also, created feature for automated data reports sent to Slack and email for users.
- **Represented Superjoin at Key Tech Events**: Engaged with the tech community in Bangalore at events like the **Google Workspace Developer Summit**, expanding professional networks by meeting **over 200 industry professionals** and staying updated with the latest industry trends.

Full Stack Developer

Onboarding.club

📅 December 2023 – July 2024   📍 Remote

- **Migrated Backend and Database**: Transitioned from **Golang** to **TypeScript** and from **PostgreSQL** to **MongoDB**, enhancing scalability and development speed while eliminating migration hassles, leading to a **30% reduction in development time**.
- **Innovated Platform Features and Integrated Activity Heatmaps**: Built features for gigs, blogs, rewards, and profiling, increasing user growth by 40%. Added heatmaps for activities like **blockchain and GitHub contributions**, boosting user engagement by 25%.
- **Orchestrated Stellar Builder House**: Led the **first global Stellar Builder House**, attracting builders from across the country to develop products within a week, with participants having the **opportunity to secure $100K in grants**.

SKILLS

PROJECTS

TurboKey

A High-Performance Key-Value Store

- **High-Performance Web Service in Golang**: Built a TCP-based key-value storage service with 30% faster data retrieval and support for 10,000 concurrent connections.
- **RESP Protocol Integration**: Enabled seamless compatibility with Redis projects using the RESP protocol, reducing migration effort by nearly 100%.

Jatt

A Static Site Generator

- **Efficient Static Site Generation**: Created Jatt, a static site generator in Golang with Templ templating, powering personal website and blogs.
- **Flexible Content Management**: Leveraged Templ for customizable layouts and optimized Golang concurrency for better performance.

SheetBridge

Real-Time Sync Service for Spreadsheet and SQL

- Developed a Golang service to mirror a PostgreSQL database in Google Sheets with **real-time synchronization**, ensuring data consistency across both platforms.
- Utilized **Apache Kafka** to handle change streams, enabling low-latency updates in Sheets.
- Employed **Protocol Buffers** for efficient inter-service communication, maintaining data integrity and minimizing overhead.