Hans Tanawi

Taipei, Taiwan| hanstanawi@gmail.com| +886987073094 | hanstanawi.com| GitHub |LinkedIn

Full Stack Engineer

Full Stack engineer with **3 years** of **full-stack development** experience specializing in **React**, **Node.js**, and **TypeScript**. Likes building scalable web infrastructure and making websites fast. Keen problem solver with an ability to learn quickly and apply previous experience and creative solutions to solve problems.

Technical Skills

Programming Languages: HTML | CSS | JavaScript | TypeScript | Node.js | Go
Frameworks/Libraries: React | Vue | Redux | Next.js | Tailwind | Nest.js | Express.js | Prisma | Jest | Cypress
Databases: PostgreSQL | MySQL | MongoDB
Tools: Git/GitHub | GitHub Actions | Linux | Docker | Vite | Webpack | Heroku | AWS

Professional Experience

Lumina 4K AI Webcam, Taipei, Taiwan | **Full Stack Engineer** | Nov 2021 - Present
• Lead the development of Lumina landing page with **responsive design** using **React**, **TypeScript**, and **Next.js**, resulting in **2.5%** of average conversion rate with **2K+** of daily user visits.
• Build and maintain backend **REST APIs** from the ground up, utilizing **Node.js**, **TypeScript, Nest.js**, and **Docker** with **PostgreSQL** database. Reduced API response time by **30%** and enhanced scalability to support **20K+ users**.
• Optimize page loading speed by applying techniques such as, code splitting, lazy loading, and image optimization, achieved a **20% improvement** in Lighthouse score.
• Collaborate seamlessly with cross-functional teams, including designers and marketing team, to translate complex requirements into user-friendly and visually appealing front-end solutions, resulting in a **40%** in engagement and **2%** increase in conversion rate.
• Reduce risk of bugs by utilizing **Jest** for unit and integration tests, resulting in a **50%** increase in code reliability and overall product stability.
• Lead the initiative to implement **CI/CD** pipelines with **GitHub Actions,** automating the build, test, and deployment process to Heroku; reduced feedback loops by **50%** and boosted team productivity by **30%**.

Molteo, Germany (Remote) | **Frontend Engineer** | May 2020 – Nov 2021
• Developed, maintained, and optimized Molteo web application for construction companies with **Vue**, **Vuex**, and **Vuetify** tech stack. Reduced application loading time by **20%** and enhanced user experience to support **10+ companies** with **200+ of daily users**.
• Increased the E2E test coverage using **Cypress** by **50%** to cover main usage scenarios flow and ensure product stability.
• Led the development of Project History feature by building a new web platform using **Vue** and **Tailwind**, leading to **3+ construction companies** signing up with Molteo.
• Spearheaded the migration process on frontend codebase from **JavaScript** to **TypeScript** to enhance code quality, better development experience, and improve performance, leading to a **20% reduction** in bugs.
• Automated front-end build, tests, and deployment process to **AWS S3** by implementing **CI/CD** pipeline using **Gitlab CI,** resulting in increased productivity and efficient release process.
• Collaborated with cross-functional teams, including backend engineers and product manager, to develop backend **REST API** with **Node.js** and **TypeScript**, resulting in more seamless frontend to backend integration and **40%** boost in performance.

Education

BEng in Computer Science, Sep 2017 – Jun 2021
Tunghai University, Taiwan
GPA: 3.85/4.3

Projects

Order Book
• Develop a real-time web application to track order book ask and bid price data of a stock.
• Architected the frontend application using React, TypeScript, Redux Toolkit, Tailwind, and WebSocket.
LinkedOut
• Full stack web application to document, update, and share user profile and work experience inspired by LinkedIn.
• Conducted the project using React, TypeScript, Tailwind, Redux Toolkit Query, Node.js, Express, and Postgres.
Telegram-GPT
• Developed AI Telegram voice chatbot, providing 10+ OpenAI language and voice models for users to interact with.
• Implemented the whole development process with Node.js, TypeScript, Nest.js, Docker, and PostgreSQL.

Languages

• **English** - Full Professional Proficiency
• **Chinese** - Professional Working Proficiency
• **Indonesian** - Native Proficiency