

Thienan Tran

315-952-0130 | thienantranbusiness@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Boston University
BA in Computer Science
GPA: 3.89

Boston, MA
May 2024

EXPERIENCE

Junior Software Engineer

May 2024 – Oct 2024

Pelicargo

Remote

- Enhanced the customer booking platform built with **TypeScript** and **React** by implementing features such as filtering, sorting, and expanded data displays, leading to a more intuitive user experience and increased engagement
- Extended **tRPC** API functions and updated the **Prisma** database schema to connect surcharges with customer accounts, automating a substantial portion of admin tasks and improving operational efficiency
- Refactored the **Typesense** database schema and React components to prioritize new customers, enabling customer service teams to address their needs promptly and improving retention rates
- Optimized **Docker** configurations, reducing image build times by 30 minutes per deployment, streamlining development and deployment pipelines
- Fixed a critical bug on the internal admin website that caused emails to be sent to third parties, eliminating potential legal risks for the company
- Created automated unit tests using **Vitest**, conserving API call quotas and ensuring code reliability

Software Engineer Intern

Nov 2023 – May 2024

Pelicargo

Remote

- Redesigned the account update screen by replacing **Chakra** UI tabs with a custom **React** tabs component, fixing layout issues and improving maintainability
- Migrated input validation from **Yup** to **Zod**, enhancing type safety and reducing the risk of server crashes during booking and account updates
- Solved a critical bug in the emailing system, which involved integrating **MJML** templates with **TypeScript**, ensuring the successful release of a high-stakes feature
- Documented deployment processes for the Pelicargo app on **AWS EC2**, creating a step-by-step guide to streamline future deployments and troubleshoot issues effectively
- Integrated external APIs like **Storyblok**, **Stripe**, and **HubSpot**, improving marketing automation and invoicing, saving hours of manual effort each week

PROJECTS

Eat Here | *Next.js, Docker, Caddy, Linux*

<https://eat-here-chi.vercel.app/>

- Built a data aggregation API that scrapes restaurant deals from newsletters and integrates with the **Gemini API** to format unstructured data into clean JSON
- Deployed the API on a **Linux** VPS behind a **Caddy** reverse proxy with HTTPS enabled, secured against DDoS attacks using **Cloudflare** DNS settings
- Protected the API from DDOS attacks by changing NS and A records to incorporate **Cloudflare**
- Enhanced user experience with **React Server Components**, enabling efficient server-side rendering and reducing page load times

Photoshare | *Python, MySQL*

- Designed and implemented user profile pages, a personalized home screen, filtering, and sorting features with **Flask** and **Python**
- Created MySQL **MySQL** queries to provide dynamic photo and friend recommendations

TECHNICAL SKILLS

Languages: TypeScript, JavaScript

Frameworks and Tools: React, tRPC, Prisma, Typesense