

# Thienan Tran

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## EDUCATION

**Boston University**  
*BA in Computer Science*  
GPA: 3.89

Boston, MA  
May 2024

## EXPERIENCE

### Junior Software Engineer

May 2024 – Oct 2024

*Pelicago*

*Remote*

- Enhanced the **React**-based customer booking platform by introducing features like filtering, sorting, and expanded data displays, significantly boosting user engagement and experience
- Extended **tRPC** functions and updated the **Prisma** schema to link surcharges with customer accounts, automating a substantial portion of admin tasks and improving operational efficiency
- Overhauled the **Typesense** schema and refactored React components to flag new customers, allowing the team to prioritize new customers, improving retention
- Optimized **Docker** configurations by improving image layering and caching, reducing build times by 30 minutes per deployment and increasing development speed
- Fixed a critical bug in a form built with **react-hook-form** that caused emails to be sent to third parties, preventing potential legal risks for the company
- Developed automated unit tests with **Vitest**, ensuring functions execute correctly, saving limited API calls from being wasted
- Mentored new interns through pair-programming, accelerating their onboarding process and increasing ticket resolution speed

### Software Engineer Intern

Nov 2023 – May 2024

*Pelicago*

*Remote*

- Designed and implemented a custom **React** tabs component to replace **Chakra** tabs, preserving the functionality of the account update screen and fixing layout issues
- Built new **tRPC** functions and added fields to the **Prisma** schema to support a surcharges CRUD screen, enhancing admin efficiency for surcharge management
- Led the migration from **Yup** to **Zod** for improved input validation and type safety, reducing the risk of server crashes and bugs
- Diagnosed and resolved a major bug in **MJML** email templates just before a critical release, ensuring timely delivery of the project
- Documented the entire process of deploying the app on **AWS EC2**, streamlining future deployments and simplifying troubleshooting
- Integrated external APIs, including **Storyblok**, **Stripe**, and **HubSpot**, improving marketing automation and invoicing, saving several hours of manual work each week

## PROJECTS

### Eat Here | *React, Prisma, tRPC, TypeScript*

- Implemented data scraping mechanisms using APIs and automated scripts to gather the latest restaurant deals from social media and email newsletters, ensuring up-to-date information for users

### Portfolio | *Next.js, AWS CDK*

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- Orchestrated the provisioning of **Lambda** functions, **Dynamo DB**, and **Gateway** through **AWS CDK**
- Built a CI/CD pipeline that used **Github Actions** to deploy changes from the main branch to an **S3** bucket and **Cloudformation**
- Rebuilt the website using **Next.js** to be more professional and responsive and deployed it on **Vercel**

### Photoshare | *Python, MySQL*

- Developed user profile pages, a home screen, filtering, and sorting with **Flask** and **Python**
- Created complex **MySQL** queries to provide photo and friend recommendations

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python

**Frameworks and Tools:** React, tRPC, Prisma, Typesense, AWS