Thienan Tran

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EDUCATION

Boston University   Boston, MA
BA in Computer Science   *May 2024*
GPA: 3.89

EXPERIENCE

Junior Software Engineer   May 2024 – Oct 2024
Pelicargo   *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
- Introduced conditional field highlights and warning toasts in React, alerting admins when bookings were incorrect or impossible, streamlining workflows and minimizing errors
- Diagnosed and resolved a timezone discrepancy affecting tender dates by refactoring the React date pickers, ensuring accurate and consistent date entries
- 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
- Mentored new interns through pair-programming, accelerating their onboarding process and increasing ticket resolution speed

Software Engineer Intern   Nov 2023 – May 2024
Pelicargo   *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
- Refactored the account-update form to add verification toggles, making troubleshooting onboarding issues more efficient for admins

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*   thienantran.com
- Orchestrated the provisioning of **Lambda** functions, **Dymamo 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**

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python
Frameworks and Tools: React, tRPC, Prisma, Typesense, AWS