HUY TRAN
Software Engineer

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SKILLS

JavaScript, Python, Ruby, React, Redux, Express.JS, Sequelize, HTML, CSS, Flask, SQLAlchemy, Jinja, PIP, Node.js, Docker, PostgreSQL, AWS, Github

PROJECTS

LUXE-EVENTS (JavaScript, ReactJS, Redux, Express.JS, Sequelize.js, BCrypt, PostgreSQL)   live | github

A simple yet feature-rich application allowing users to view and book a spot to host any event.

- Designed a **RESTful API** backend using **Express.js** to implement full CRUD on multiple features with proper backend validations using express-validators.js
- Simplified queries with aggregate functions and eager loading to avoid N+1 queries and improve overall server load.
- Integrated **Google Maps API** with custom search functionality and mouseover effects that shows custom InfoWindows displaying the price and location of each spot based on user parameters and geolocation data.
- Administered frontend validations to prevent unnecessary **AJAX** requests to reduce server load using **Validator.js**.
- Implemented a custom booking calendar with **React-datepicker** which disables dates with existing bookings to avoid duplicate bookings.

INSTAPIX (Python, Docker, Flask, SQLAlchemy, Jinja, ReactJS, Redux, PostgreSQL)   live | github

A pixel-perfect tribute to Instagram, a social platform that allows users to share images.

- Incorporated a relational database with all proper associations in order to avoid duplicate/conflicting data across databases.
- Incorporated **Docker** to implement a flawless deployment with minimal user interaction.
- Formulated numerous reusable React components such as forms, likes, and followings to be used on each post.
- Strengthened relationships with other developers by having daily SCRUMs and provided support to ensure the project was finished ahead of schedule.

SOUNDCLOUD-CLONE (JavaScript, ReactJs, Redux, Express.JS, Sequelize.js, PostgreSQL, AWS)   live | github

An intuitive app used for listening to music, based on Soundcloud.

- Authored the frontend UI experience and avoided N+1 queries in the backend by creating proper associations between different tables and eager loading all queries, thus, having faster response times.
- Incorporated **AWS S3** to store images on the cloud to further reduce server load and guarantee scalability.
- Integrated multiple libraries with little to no documentation and created the perfect audio player across different components that utilizes React's useState hook to dynamically change the current song.

EXPERIENCE

Process Engineer

Integra Technologies   Oct 2013 - Nov 2018

- Conducted quality control audits on collected data, ensuring accuracy and completeness of information, and taking necessary measures to address any discrepancies identified.
- Collaborated with the Engineering Team on data collection and experiments, supporting troubleshooting efforts, identifying and resolving issues, and contributing to the iterative process of project development.
- Demonstrated multitasking skills by managing multiple responsibilities and adapting to evolving project needs, resulting in successful project outcomes and expansion of responsibilities.

EDUCATION

Full Stack Web Development - *App Academy | 2021 - 2023*
Automotive Technician - *Wyotech | Certificate of Completion | 2008-2009*