

# Daniel Thai

# software engineer

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## SKILLS

JavaScript | React / Redux | Python | Flask | Express | Node.js | SQL | PostgreSQL | SQLAlchemy | Sequelize | HTML | CSS | Docker | Alembic | Git | AWS S3 | REST APIs | Pair Programming | Test Driven Development | Object Oriented Programming

## PROJECTS

### Cheapbnb

[Live Site](#) | [Github](#)

*Inspired clone of Airbnb allowing for users to host their home for rental. Developed with JavaScript, React /Redux, Python, Flask, SQLAlchemy, PostgreSQL, AWS S3, Docker, HTML, and CSS.*

- Developed a home rental hosting feature that allowed users to register information into a **PostgreSQL** database that utilizes **AWS S3** to upload image files from a local machine into the database.
- Implemented CRUD actions for spots and reviews using **React / Redux** to Flask API routes.
- Optimized **Redux** store to have a normalized state for easier data flow from backend API routes into frontend state.

### Cheatsheets

[Live Site](#) | [Github](#)

*Inspired by the platform Instructables which allows users to create step-by-step plans. Developed with JavaScript, React /Redux, Python, Flask, SQLAlchemy, PostgreSQL, Docker, AWS S3, HTML, and CSS.*

- Collaborated with three other colleagues using **Git** version control, and kanban board to organize priorities to meet important objectives on time.
- Implemented a search bar that searches for keywords in a project's title using a custom API query through the backend database using **Flask**.
- Designed homepage using vanilla CSS and using 3rd party **react library** to implement a carousel element.

### LoudCloud

[Live Site](#) | [Github](#)

*Inspired by music streaming platform SoundCloud. Developed with JavaScript, React /Redux, Node.js, Express, Sequelize, PostgreSQL, HTML, and CSS.*

- Incorporated **AJAX** for fetching API from backend routes for database interactions.
- Utilized **Redux** to create a single-page app with dynamic rendering components on the same API route without refresh.
- Implemented **Bcrypt** to hash user passwords for secure database storage.

### Goodwatch

[Live Site](#) | [Github](#)

*Inspired by the popular platform GoodReads. Developed with JavaScript, Pug, Express, PostgreSQL, Sequelize, HTML, and CSS.*

- Lead and took initiative as **scrum master** providing a clear direction for colleagues to work on high priority objectives.
- Designed and incorporated database structure using **Sequelize** to make a relational **PostgreSQL** database.
- Implemented API routes to access database using **Express** framework.

## EXPERIENCE

### Microbiology Lab Technician

*Food Safety Net Services, Sep 2019 - Aug 2020*

- Prepare 50+ samples into Petri dishes or testing environments to meet standards for pathogen testing on a daily basis.
- Conduct data entry by inputting 50+ sample details into a LIMS system database.
- Conduct customer service by communicating test statuses and issues with 20+ clients daily over the phone or by email.
- Promoted from *Data entry lab technician* to *Microbiology Lab technician* in Jan 2020.

## EDUCATION

**App Academy - Sep 2021 - Apr 2022** | Immersive software engineering Bootcamp with a focus on full-stack web development

**University of Arizona - Tucson, AZ | 2014 - 2019** | *BS - Nutritional Science*

## Organizations

### Marketing Manager

*Society of Scientists and Engineers (SASE), 2016 - 2018*

- Manage social media on Facebook and Instagram to organize club events for students who want to attend club activities and meetings.
- Outreach to companies like Caterpillar and Raytheon to partake in educational meetings and workshops.