

JAE HWANG

Full Stack Software Engineer

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS React, Redux, Python, Flask, JavaScript, Express, CSS, SQL, Sequelize, PostgreSQL, SQLite3, SQLAlchemy, Docker

PROJECTS

DRINK CAWFFEE (Python, Flask, JavaScript, ReactJS, HTML, CSS, Docker)

[live](#) | [github](#)

A coffee curation and ecommerce site inspired by Drink Trade, where users can curate and purchase coffee

- Implemented **Redux** architecture's unidirectional data flow with **React** props for predictable state and **DOM** rendering
- Connected the **Flask** backend to **AWS S3** for media storage while maintaining content security with **AWS IAM**
- Leveraged **SQLite3** relational database management system to allow users to mimic eCommerce transactions
- Utilized **Docker** containerization to standardize development environment and for consistent application deployment

SQUEAL (Python, Flask, JavaScript, ReactJS, HTML, CSS, Docker)

[live](#) | [github](#)

A collaborative Yelp clone where users can review and list local restaurants

- Integrated **Google Maps API** with **React** components to implement dynamic location visualization for businesses
- Implemented multiple many-to-many backend relationships and optimized database usage by observing **SQL** and **Active Record** best practices with **Flask** and **SQLAlchemy**
- Utilized the unidirectional state management of **Redux** to simplify **React** components and directly manage data for form inputs and form submissions

HEIR BNB (Express, Sequelize, JavaScript, ReactJS, HTML, CSS)

[live](#) | [github](#)

An Airbnb clone where users can explore, book, and review homestays

- Utilized **Sequelize** ORM to create custom **SQL** queries to extract data across multiple tables in a single query with **SQLite3** database in development, migrated to **PostgreSQL** in production
- Created project management roadmap and provided transparency to feature delivery with **Agile/Scrum** methodology
- Developed custom modal framework using **React** component architecture with **CSS** to create an intuitive user interface

EXPERIENCE

Operations Coordinator Lead & Trainer

Trusted Health

Mar 2021 - May 2022

- Exceeded performance expectations consistently and project managed the onboarding and compliance of over 270 travel nurses at a 99% success rate during peak COVID seasons
- Led a team of 5 operations coordinators in communication with 4 managed service provider partners, including the company's 2nd largest partner in volume, to ensure hospital-patient safety through compliance
- Personally trained 5 operation coordinators from Day 0 to being fully on-ramped in 3 months, one of whom became a Lead
- Designed a new hire training curriculum, incorporating cross-department feedback to expedite training processes

Medical Assistant & Patient Care Coordinator

California Sports and Orthopaedic Institute

Apr 2019 - Feb 2021

- Coordinated clinical care for up to 30 patients daily by organizing medical workup and telemedicine software support
- Communicated with out-of-clinic physicians, local hospitals, and physical therapists to organize full medical history and coordinate follow-up care for up to 30 patients daily during the height of the COVID pandemic

Regulatory Affairs and Compliance Intern

Entrotech life sciences, inc.

Sept 2015 - Aug 2018

- Spearheaded a new product launch by leading a team in product testing, establishing foundational workup for a medical device
- Conducted FDA failure mode and effects experiments and analysis to develop medical device risk management plans

EDUCATION

Full Stack Software Engineering - [App Academy](#) (1000+hr software development program) | Fall 2022

BA Molecular and Cell Biology, Immunology, Infectious Diseases - *University of California, Berkeley* | Fall 2015 - Spring 2019