

Calvin Lieu

Software Engineer

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

San Francisco / Bay Area

SKILLS

JavaScript, Python, Node.js, Express.js, Flask, React, Redux, AWS S3, SQLAlchemy, SQLite, Sequelize, Postgres SQL
HTML, CSS, Object Oriented Programming, Dockerfile, Git, Heroku

PROJECTS

Slipper (JavaScript, Python, Flask, React, Redux, SQLAlchemy, HTML, CSS)

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

A Twitter clone with a slight twist of being slipper themed.

- Built backend RESTful APIs using Python Flask to maintain compatibility with new technologies emerging on the market.
- Incorporated a relational database using SQLAlchemy to support the normalized data displayed on the web applications.
- Executed client-sided state management using React hooks to handle the state and lifecycle of React Components.
- Utilized the Redux toolkit to establish a slice of state in a single place to maintain application predictability and traceability.

StairBnB (JavaScript, Express, React, Redux, SQLite, Sequelize, HTML, CSS)

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

A full-stack Airbnb clone allowing users to create and make bookings of properties.

- Constructed RESTful APIs using Express.js that supplied normalized data to React Components for users to interact with core CRUD features.
- Integrated SQLite3 and Sequelize to engineer a relational database allowing users to create and dynamically display data on the front end.
- Utilized CSS to construct a pleasing User Interface (UI) by creating a responsive application to fit with Airbnb's standards.

Insta-Lock (JavaScript, Python, Flask, React, Redux, AWS S3, SQLAlchemy, HTML, CSS)

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

An Instagram clone where users can post and interact with gaming highlights.

- Led a team of four developers to create a functional full-stack web application utilizing SCRUM methodology and Git to manage version control amongst all collaborators.
- Implemented AWS S3 to provide an easy-to-use, fast and scalable place to store image data uploaded by users.
- Executed core CRUD functionalities and chainable data using SQLAlchemy that work off each other to provide users with a pleasant experience when interacting with the website.

EXPERIENCE

Sr. Patient Care - Food Services

University of California, San Francisco, December 2019 - March 2022

- Partnered with nurses to provide excellent patient food services that were safe, accurate, timely, and responsive to every patient's needs.
- Oversaw multiple departments of 100+ patients' dietary restraints and optimized their needs according to nurses' orders.
- Maintained cleanliness and methodical workstations, equipment, and patient rooms to provide pleasant interactions with the nursing staff.

Service Banker

Bank of The West, September 2018 - August 2019

- Reconciled cash drawer and ATMs, handling \$100k+ daily with zero mistakes, and adhered to strict safety deposit box operations and guidelines to maintain 100% accurate personal and commercial records.
- Identified sales and cross-selling opportunities to create qualified referrals to specialist sales partners to achieve quarterly sales targets with a minimum of a 90% customer acquisition rate.

Operations Specialist

Boba Guys Inc., December 2016 - September 2018

- Monitored customer sales and inventory levels based on foot traffic across stores in the Bay Area.
- Collaborated with a team of 5 researchers to produce new products and deliver delicate perishables to various stores.
- Increased sales through research, developing new seasonal products, and collaborations with local retailers.
- Catered to many social events and coordinated with venue supervisors to create a memorable experience for guests.

EDUCATION

App Academy - Immersive 1000+ hour software development course with a focus on full-stack web development.

San Francisco State University - Coursework toward a Bachelor's in Kinesiology.