

# Carmelino Galang

## Software Engineer

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[PORTFOLIO](#) | [GITHUB](#) | [LINKEDIN](#)

## SKILLS

Javascript, React, Redux, Python, HTML, CSS, SQL, Express.js, Sequelize, Node.js, Flask, PostgreSQL, SQLAlchemy

## PROJECTS

**SPLITIFY** (Python, Flask, ReactJS)

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

*Splitify is a clone of Splitwise which keeps track of shared expenses in groups.*

- Created numerous Javascript algorithms that fetch all user transactions from a database, then calculates user balances and filters transactions by friend or group to ensure the correct balances and transactions are displayed on all pages.
- Designed SQL database that allows users to add friends and create groups of friends so that users can monitor transactions across multiple groups and friends.
- Constructed SQL database and RESTful API with Flask and SQLAlchemy that stored transaction data by friends and groups, allowing the user to seamlessly check balances and all transactions by friend or group.

**THEBNB** (Express, ReactJS)

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

*TheBnB is a clone of Airbnb which is an online marketplace that allows users to list their short-term rental properties.*

- Optimized Node backend database and SQL queries using PostgreSQL, Sequelize ORM and Express for effective storage and retrieval of bookings, reviews and property data, improving application performance.
- Implemented AWS S3 for user image uploads reducing server load time and allowing for scalability of image services.
- Built a booking form in React that dynamically renders booking price by number of days and sends booking details to backend server for validation and storage, allowing users to effortlessly book a rental property or edit a booking.

**PETSY** (Python, Flask, ReactJS)

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

*Petsy is an e-commerce platform dedicated to pet related products that is inspired by Etsy.*

- Implemented a search bar utilizing React Hooks and URL search parameters that can filter by price and modify results per page, helping visitors find what products they want faster.
- Employed Javascript storage objects to develop a shopping cart with contents that persist through page refreshes and rerenders, improving user interaction and experience.

## EXPERIENCE

### Physician Assistant

California Dermatology Care, San Ramon, CA

August 2021 - June 2022

- Created and organized patient charts in the EMR system for up to 30 patients daily to easily keep track of patient notes and documents.
- Aided in multiple procedures and surgeries such as Mohs, surgical excisions and biopsies.

### Internal Medicine Resident Physician

San Joaquin General Hospital, French Camp, CA

June 2020 - June 2021

- Formulated and implemented patient care plans to treat medical illnesses and address health maintenance for up to 10 hospitalized patients daily.
- Analyzed patient histories and symptoms to determine an accurate diagnosis or the steps needed to arrive at a diagnosis.
- Coordinated and effectively communicated with numerous interdisciplinary health care teams to improve treatment speed and outcomes.

## EDUCATION

**Web Development** - App Academy, 6 month bootcamp with a curriculum over 1000 hours | July 2022 - December 2022

**Doctor of Medicine** - De La Salle Health Sciences Institute College of Medicine, Philippines | Dean's List | 2014 - 2018

**Bachelor of Science, Chemistry** - Santa Clara University, Santa Clara, California | 2008 - 2012