# Carmelino Galang
## Software Engineer

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## SKILLS   Javascript, React, React Native, Redux, Python, HTML, CSS, SQL, Express.js, 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 filters transactions by friend or group then calculates the user's balances, which ensures the correct balances and transactions are displayed on all pages.
- Designed a SQL database with Python that categorized users into groups of friends so that a user can monitor transactions across multiple groups of their 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 sends booking details to the 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 results 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 Electronic Medical Record system for up to 30 patients daily to easily keep track of patient notes and documents.
- Spearheaded our office's successful application for CLIA certification by developing a database used to track the results of all biopsies done by the office.
- Developed a database for a medical research study on the risk of cancer in patients who have used Picato and other topical treatments for skin conditions.

**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

**Software Engineering**  - *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*