Lola **Marrero** Software Engineer

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SKILLS
Languages Javascript, Python, HTML5, CSS3, C++, Bilingual (English and Spanish)
Frameworks/Tools: React, Redux, Express, Node.js, Flask, Sequelize, SQLAlchemy, PostgreSQL, Git, MongoDB
Key Skills: Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), REST APIs

WORK EXPERIENCE
Freelance Full Stack Software Developer - *Cod Mountain Fish Co., Santa Cruz, CA* | live site   Feb 2024 - Current
- Created a comprehensive web app, developing both the front-end and back-end to meet client needs.
- Designed and implemented a user-friendly front-end interface using Tailwind CSS, JavaScript, and React, praised for its responsiveness and aesthetic appeal.
- Engineered a robust back-end architecture with Flask and MongoDB, significantly improving data processing efficiency and security.
- Developed a booking system with an availability calendar, allowing users to view and book available dates easily.
- Integrated a secure online payment system, ensuring seamless and safe transactions for users.
- Developed a captain dashboard that allows the owner to manage bookings, block days on the calendar, upload fish reports, add photos, and more.

Career Transition and Family Care - *Santa Cruz, CA*   Feb 2018 - Jan 2024
- Worked as a Realtor with Coldwell Banker in Capitola, CA, utilizing effective communication and negotiation skills to orchestrate successful property deals.
- Left the position to start and raise my young family.
- Dedicated time to raising two young children while undertaking coursework and self-study in software engineering.
- Completed an immersive full-stack software development course, honing skills in JavaScript, Python, React, Flask, and other modern technologies.
- Developed personal and freelance projects to build a portfolio and gain practical experience in software development.
- Applied skills from previous role as a Realtor, such as effective communication, negotiation, and client collaboration, to transition smoothly into software development and enhance project management capabilities.

PROJECTS
Lemon Attire (JavaScript, React, Redux, HTML, CSS, Python, Flask, SQLAlchemy, Postgres, AWS S3)   live | GitHub
A full-stack e-commerce web app, offers an enhanced shopping journey for clothing enthusiasts.
- Engineered a user-centric front-end for smooth browsing and item categorization, showcasing product versatility with multiple images and color choices.
- Designed a well-structured database using SQLAlchemy and PostgreSQL to manage product variations and maintain dynamic order updates.
- Utilized Redux and React to monitor and update the cart's item count in real-time, ensuring a seamless shopping experience.

Bone Apple Teeth (JavaScript, React / Redux, HTML, CSS, Python, Flask, SQLAlchemy, Postgres)   live | GitHub
A responsive full stack web application inspired by OpenTable developed as a group project.
- Collaborated using effective communication and a Kanban board, ensuring timely project completion.
- Developed a 'Favorite' feature with React's useState hook and Redux, enhancing user engagement and personalization.
- Employed "lazy joined" techniques to optimize database efficiency and ensure seamless navigation.

Pawbnb (JavaScript, React / Redux, HTML, CSS, Node.js, Express.js, Sequelize, Postgres)   live | GitHub
A comprehensive full stack web application modeled after Airbnb for your pets.
- Implemented secure user authentication system using JWT, bcrypt, and validations to ensure safe registration, login, and sign up features. Established role-based authorization for restricted feature access, such as exclusive editing rights for spot owners.
- Designed custom SQL queries to reduce server load and avoid N + 1 issues.

EDUCATION
App Academy - Immersive full-stack software development course with <3 % acceptance rate.   *Sept 2022- Sept 2023*
Cabrillo College, **Santa Cruz** - *Intro to C++ Programming, Advanced C++ Programming*   *Jan 2020 - Jan 2022*
University of California, Santa Barbara - *Bachelor's in Sociology and Bachelor's in Spanish*   *Sept 2011 - Sept 2013*