Lucas Monteiro

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TECHNICAL SKILLS

Languages: JavaScript, Python
Databases: PostgreSQL, MySQL, MongoDB, SQLAlchemy, Sequelize, Mongoose
Backend: Node.js, Express.js, Flask
Frontend: React.js, Redux, HTML5, CSS3, AJAX / Fetch, Component-Based Architecture
Cloud & DevOps: Docker, AWS (EC2, S3), Git, Feature Branch Workflow
Computer Science: Data Structures, Algorithms, Object-Oriented Design, ORM/ODM

PROJECT EXPERIENCE

BoardTogether| Full Stack Software Engineer - JavaScript, React, Tailwind, Express, MongoDB, Mongoose   **github**

An app that digitizes score sheets for classic games like Clue, Scrabble, and Yahzee promoting social interactions.

- Collaborated in **Agile** sprints with a team of **8 developers,** delivering key features ahead of schedule by leveraging effective code pairing, peer reviews, and continuous integration practices.
- Established a secure **Firebase authentication** flow with encrypted session cookies and error handling, ensuring reliable user logins and personalized experiences across game sessions
- Built a **social-first** user profile system with integrated friend management features, fostering seamless connections and competitive tracking among players.

Getaway | Full Stack Software Engineer - Python, JavaScript, React, Redux, Flask, PostgreSQL, Docker   **github**

A web app that allows users to post, search, book, and review rental listings in Brazil.

- Implemented a **comprehensive** property listing system, allowing users to create, update, and manage rental listings with images.
- Integrated **Google Maps API** with custom UI enhancements for seamless location-based searches.
- Enhanced booking system by developing a **dynamic** calendar, restricting unavailable dates and **improving** user experience.

Petsy | Full Stack Software Engineer - Python, JavaScript, React, Redux, Flask, PostgreSQL, Docker   **github**

An online marketplace where people sell, buy, and collect unique pet items..

- Built a full-fledged online marketplace for buying and selling pet items, **collaborating** with a team of three engineers using **Agile** methodologies.
- Optimized **Flask** & **PostgreSQL** backend with **SQLAlchemy ORM**, improving data retrieval efficiency and scalability.
- Developed a dynamic shopping cart with state management and user **authentication**, enabling seamless cart updates, secure transactions, and an **intuitive** checkout experience.

SDC | Full Stack Software Engineer - Node.js, PostgreSQL, Express, AWS EC2, K6   **github**

A scalable reviews API for managing product feedback with performance optimization and efficient data handling.

- **Optimized** CSV data **ingestion** pipeline to efficiently process and insert **millions** of records into PostgreSQL using Node.js, csv-parser, and pg-promise.
- Conducted **performance testing** with **K6**, benchmarking API response times and identifying **optimization** opportunities.
- Engineered a denormalized **PostgreSQL** database to efficiently handle over **1M+ records**, optimizing **indexing** and **query performance** to support **high-volume** user requests.

Estadium | Full Stack Software Engineer - Python, JavaScript, React, Redux, Flask, PostgreSQL, Docker   **github**

A photo sharing app where soccer fans post and comment on soccer related experiences.

- Enabled **AWS S3** cloud storage to allow user image uploads and deletion facilitating **scalability**, security and low-latency data storage from the cloud.
- Incorporated **Redux** to create a single page app by saving states throughout a user's session to dynamically render React components allowing for **efficient** and dynamic post and comment editing and deletion.

EXPERIENCE

Financial Analyst / Bay Junk, LLC (San Mateo, CA)   May 2018 - September 2020

- Enhanced financial reporting by **redesigning** control processes and reporting structures, improving **efficiency** and **organization**.
- Managed cost **tracking** and billing, **resolving** financial **discrepancies** through effective **organizational** management.
- Formulated complex reports and spreadsheets, **improving** project tracking and aiding **decision-making** processes.
- Served as the primary contact for project support, delivering exceptional **customer service** and **problem-solving** expertise.

EDUCATION

Hack Reactor - *Advanced Full Stack Software Development Program | 2025*
App Academy - *Full Stack Software Development Program | 2022*
San Francisco State University - *Bachelor of Science in Business Administration (Concentration: Finance) | 2018*
Cañada College - *Associate's Degree in Business Administration | 2013*