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, HTML, CSS, Tailwind, 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 **eight 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
- Created 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 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 pet items, **collaborating** with three engineers using **Agile** methodologies.
- Designed a RESTful API with Flask, PostgreSQL, and SQLAlchemy ORM to handle pet adoption records.
- Developed a dynamic shopping cart with state management and user **authentication**, enabling seamless cart updates, secure transactions, and an **intuitive** checkout experience.

ReviewFlow | 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.

EXPERIENCE
Administrative Assistant II | AFSCME 3299 (Oakland, CA)   June 2025 - Present
- **Collaborated closely** with IT leadership to **establish** and **maintain** the MAT Con "war room," **overseeing** connectivity, printer setup, and tech support to **resolve issues quickly** and **keep operations running smoothly**.
- **Led equipment logistics** for MAT Con, **coordinating procurement, organization, and delivery** of all materials and devices to support a seamless event for over 300 attendees.
- **Tracked and updated** conference registration in real time, **swiftly handling** last-minute sign-ups, attendee changes, and credential preparation under tight timelines.
- **Managed and continuously updated** the MAT Con app, rapidly incorporating schedule changes, session details, and speaker updates to keep participants well-informed.
- Coordinated Step 3 grievance processes by **tracking critical deadlines**, preparing **detailed documentation**, and **submitting timely appeals** to the UC Office of the President,

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*