

Matthew Satterwhite

Software Engineer

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[Portfolio](#)

[Github](#)

[LinkedIn](#)

SKILLS JavaScript, Python, Flask, Java, Vue3, SQLAlchemy, Sequelize, Postgres, React, Redux, Pinia, Git, Github, TDD, HTML5, SQL, OOP, Express, UIKit, SwiftUI, VSCode, CSS, JSON, NPM, Websockets, Docker, Heroku, Node.js, AWS

Experience

Software Engineer *Civicom (July 2022 - Current)*

- Developed and maintained a full-stack Java EE/Vue3 web application, including the front-end user interface and back-end server logic.
- Worked closely with senior developers and project managers to understand business requirements and translate them into technical solutions.
- Used version control systems (such as Git/GitHub) to manage source code and collaborate with team members on code changes.
- Participated in daily stand-ups and other agile development meetings to communicate progress, clarify goals, and address any blockers.
- Improved the performance and scalability of the application by optimizing the code and implementing caching and other performance-enhancing techniques.
- Debugged and fixed issues in the codebase, using a variety of tools and techniques to identify the root cause of problems.
- Collaborated with cross-functional teams to design and implement new features.
- Stayed up to date with new technologies and industry best practices, and continually sought out opportunities to improve skills and knowledge.
- Implemented state management and real-time communication using the Vue3 Composition API and websockets, including creating and managing reactive variables and stateful logic, utilizing computed properties and watchers to update the UI in response to state changes, and setting up and configuring the websocket server to enable real-time communication between the server and the front-end interface.

Projects

Clone of Amazon

Clone Of Amazon(React, Redux, Python, Flask, SQL, SQLALCHEMY, CSS).

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- Executed client-server architecture to improve the portability of data storage across multiple platforms codifying RESTful convention practices.
- Built 20+ nested React components to aid in creating an intricate and reusable front-end data structure.
- Harnessed Redux to mitigate state for dynamic rendering of data streams from the backend and between components.

The Stonks

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Clone of Robinhood (React, Redux, Python, Flask, SQL, CSS).

- Processed and displayed real-time stock data using the FintHub API to collect and sort object data into the database using SQLAlchemy.
- Organized Flask blueprint routes to create (15+) API routes engineered to query and transfer data rapidly.

Udderly Forgetful

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Clone of Remember the Milk (Pug, Javascript, Express, SQL, CSS).

- Implemented fetch calls to the Express backend with Postgresql using Sequelize, allowing for dynamic rendering of seamless Pug frontend elements.
- Incorporated user authentication using backend CSURF protection, Express-validator, and Bcrypt for password hashing to keep the site safe and secure.
- Managed CRUD through custom transactional database operations using Active Record and Postgres.

Education

AWS Cloud Practitioner - Amazon Web Services Certificate | 2022-Current

App Academy - Full-Stack Software Engineering Program(Full-Time) | 2021-2022

Coursework toward Bachelor of Arts Psychology - California State University San Marcos | 2020-2021

Associate of Arts Psychology - MiraCosta College | 2017 - 2020