

MASON SAMS

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PROFESSIONAL PROFILE

Passionate software engineer with a distinctive journey transitioning from a legal background as a paralegal to the dynamic realm of software engineering. Demonstrates a unique perspective on problem-solving, blending creative expression and user experience insights. Valued for fostering teamwork and research-driven approaches to create innovative solutions. Proficient in JavaScript, Express, React, HTML, CSS, Python, Flask, and Postgres, maintaining a commitment to continuous learning in the ever-evolving landscape of software engineering.

SKILLS

LANGUAGES: JavaScript (ES6+), Python, HTML5, CSS3, SQL

FRAMEWORKS & LIBRARIES: React, Node.js, Express.js, Flask, jQuery, Bootstrap, Jest

DATABASE & INDUSTRY TOOLS: PostgreSQL, Git, GitHub, REST API

HIGHLIGHTED EXPERIENCE

Developer (Volunteer) | Chingu

2023 – present

- Leading cross-functional collaboration to conceive, design, and launch an interactive global meteor strike tracking platform, leveraging React.js, CSS, NASA API, and mapboxgl.
- Conducting weekly sprints, including backlog management, Figma wireframe creation, workflow modeling, and seamless development through unit and integration testing.
- Facilitating efficient Git-based version control to manage multi-developer contributions, while ensuring project excellence through rigorous peer code reviews.

Organizer | Learn, Teach, Code (LTC) Pasadena

2022 – present

- Established LTC meetup group in Pasadena to create a local community of engineers to network and exchange ideas.
- Organize, advertise, and host weekly code and coffee, and other learning experiences that average 10-12 engineers per event.

Software Engineer Student | Springboard

2021 – 2022

- Completed 800-hour course that covered key aspects of front-end web development, back-end web development, databases, and data structures and algorithms. Included 1:1 industry expert mentor oversight, and completion of in-depth portfolio projects.
- Developed skills in Web Development, JavaScript, DOM Manipulation, Event Driven Programming, Git/Terminal/Github, Modern JavaScript and Testing, AJAX, jQuery, ReactJS, SQL, PostgreSQL, Flask, Node/Express, Data Structures and Algorithms
- PROJECTS DEVELOPED:

The Movie Maker Journal | <https://github.com/LongDefeat/movie-maker-journal>

- Built a blogging platform on The Movie Database API based on Letterbox'd and Goodreads using authentication that allows users to login into the app with the ability to favorite films, log journals, and follow other users.
- Implemented a RESTful backend to manage user authentication.
- Used React components to build the front end and express to run backend functionality.
- Organized project using object-oriented classes with a backend based on specific functionality of database routes using Express.
- Tech Stack: Node/Express, React, Axios, jsonwebtoken, uuid, PostgreSQL, React-Bootstrap, bcrypt.

Cocktail Recipe Website | https://github.com/LongDefeat/capstone_1

- Created cocktail recipe website using an existing cocktail API that uses authentication for users to create profiles and save recipes.
- Implemented a RESTful backend to manage user authentication.
- Constructed Flask in the frontend of the website and Python for backend communication with the cocktail API.
- Tech Stack: Python, Bootstrap, Flask, Axios, WTForms, and PostgreSQL.

EDUCATION

Software Engineering Certification, Springboard

Nov 2022

Bachelor of Arts, History & German Language, University of Arkansas - Fayetteville, AR

May 2013