

Timothy Sukamtoh

Irvine, CA | (626)-258-9686 | timothysukamtoh@gmail.com | [Linkedin](#) | [Github](#) | timsukamtoh.com

WORK EXPERIENCE

Foqal **San Francisco, CA**

Software Engineer Intern *June 2023-July 2023*

- Leveraged existing GraphQL queries to implement a feature that automatically re-fetches data on a single page application whenever new ticket columns were generated without having to hard refresh.
- Researched and utilized third-party open source libraries to circumvent the existing Content Security Policy and allow for implementation and testing of new features and services.
- Addressed several React state management issues, including tags on Slack channel settings not persisting on change and populating upon re-navigation to the page.
- Fixed UI for component buttons would overlap and incorrectly be active upon hovering the wrong section.

Epic Systems **Madison, WI**

Integration Engineer *March 2020-November 2021*

- Utilized SQL and MSFT Report Builder to develop internal reports allowing other Epic Engineers to systematically track feedback between project managers and team members.
- Increased efficiency of filtering on several SQL query-based reports improving runtime of one by over 6000%.
- Managed the Epic Application system build for over 7 different major health organizations around the US.
- Directed client analyst teams for multiple healthcare organizations while transitioning onto Epic as their main electronic health record system in their production working environment.

EDUCATION

Rithm School Full Stack Engineering Bootcamp **San Francisco, CA**

Full Stack Engineer Student *April 2023-July 2023*

University of California, Berkeley **Berkeley, CA**

Bachelor of Science: Bioengineering *May 2019*

PROJECTS

SharenBn Vacation Rental Application (React, Python, Flask, SQLAlchemy, PostgreSQL, AWS S3) [Demo](#) | [Github](#)

- Created a RESTful API backend to allow users to create listings, add or delete rental bookings, and update profiles.
- Implemented AWS S3 buckets for client image uploads to reduce database bloating and increase efficiency.
- Utilized JSON Web Tokens in Flask to ensure valid credentials when a user accesses non-read-only API actions.

Jobly Job Board Application (React, Express, Node.js, PostgreSQL, JSONSchema) [Demo](#) | [Github](#)

- Designed a RESTful API backend with full CRUD capabilities to allow users to perform CRUD operations on the users, jobs, and companies routes depending on authorization level and respond back with JSON.
- Developed a single page application frontend using React with protected routes that only allows registered users to view the companies and jobs page. Handled invalid routes with 404 components with a link back to the homepage.
- Applied React hooks to maintain user login status and automatically call API to load jobs and companies.
- Implemented authorization and authentication using JWT tokens and encrypted passwords using the BCrypt library.
- Established and maintained over 110 unique unit and integration tests resulting in 97% test coverage of functions.
- Deployed React components with dynamic error generation to establish fluid and scalable error handling.

Warbler Social Networking Application (Python, Flask, Jinja, SQLAlchemy, PostgreSQL) [Demo](#) | [Github](#)

- Created a Twitter clone that utilizes a RESTful backend to allow users to add, delete, like, and unlike messages.
- Implemented authorization and authentication using Flask session, local storage, and Flask g object.
- Incorporated SQLAlchemy ORM to allow for simple access of many-to-many database table relationships.
- Leveraged Jinja templates such that html pages can be dynamically generated via server side rendering.
- Achieved over 90% test coverage of functions between unit and integration tests across the entire codebase.

SKILLS & INTERESTS

Programming Languages: JavaScript/TypeScript, Python, SQL, HTML, CSS

Frameworks/Libraries: React, Node, Express, Flask, Bootstrap, GraphQL, Jest, Jasmine

Databases: Postgres, Amazon S3