

# Timothy Sukamtoh

Irvine, CA | (626)-258-9686 | [timothysukamtoh@gmail.com](mailto:timothysukamtoh@gmail.com) | [Linkedin](#) | [Github](#) | [timsukamtoh.com](https://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 that 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*

*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.
- Established and maintained over 110 unique unit and integration tests resulting in 97% test coverage of functions.
- Applied React hooks to maintain user login status and automatically call API to load jobs and companies.
- Implemented authorization and authentication using JWTs and encrypted passwords using the BCrypt library.
- 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