

Christian Alcalde

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[Website](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

Rithm School Full Stack Engineering Bootcamp | San Francisco, CA

Mar 2022 – May 2022

California State University, East Bay | Hayward, CA

Sept 2015 – May 2020

Computer Engineering, B.S.

PROJECTS

ShareBnB (AirBnB clone) | Python, Flask, SQLAlchemy, PostgreSQL, React, AWS S3 | [GitHub](#)

- Allows users to create new listings and reserve other user's listings
- Utilized AWS S3 to store user uploaded images and PostgreSQL for the database

Jobly | React, Express, PostgreSQL | [Demo](#) | [GitHub](#)

- Built a RESTful API backend with full CRUD capabilities to allow user to interact with jobs, companies, and users' data stored in the PostgreSQL database
- Documented and maintained 100% test coverage for various unit and integration tests in the backend
- Implemented authorization and authentication via JSON Web Tokens and one way encryption with BCrypt library
- Developed a single page application frontend with React, implemented protected routes that only allowed registered users to access certain pages, and redirected invalid routes and 404s

Warbler (Twitter Clone) | Python, Flask, SQLAlchemy, PostgreSQL | [Demo](#) | [GitHub](#)

- CRUD web app that utilizes a RESTful API backend which allows users to add, delete, like, and unlike messages
- Utilizes server-side rendering with Flask by using Jinja templating and WTForms for validating user inputs and CSRF protection for POST requests
- Designed database tables using SQLAlchemy to dynamically query and update the database using many-to-many relationships

GAMarket Application | Java, Java Swing, SQLite | [GitHub](#)

- Created the account creation system that utilized SQL databases to store an account's login information
- Implemented each account's game collections and friends lists using SQLite
- Participated in weekly code and design review meetings with group members

EXPERIENCE

Rithm School | San Francisco, CA

May 2022 – Jun 2022

Software Engineering Intern

- Rebuilt Numbers API, an Express.js/Node.js app, with Flask/SQLAlchemy tech stack with RESTful API
- Wrote and audited unit tests to achieve 98% coverage
- Reimplemented original UI into a more readable, modern context
- Added a rate limiter to prevent DDOS attacks
- Resolved tickets ranging from developing scalable models, routes, and integration tests to auditing the API for inconsistencies and submitted pull requests for finished tickets
- Created complimentary smartphone app using Flutter/Dart ([On This Day App](#))

Moreau Catholic High School | Hayward, CA

Oct 2020 – Jun 2022

Multimedia Contractor

- Set up on-campus film and photo sessions by communicating with staff, being flexible with scheduling conflicts

SKILLS & INTERESTS

Programming Languages: HTML, CSS, JavaScript/TypeScript, Python, SQL, Java, C++

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

Databases: PostgreSQL, SQLAlchemy, AWS S3