

Joshua Hellstrom

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TECHNICAL SKILLS

Languages - Python, JavaScript, TypeScript, SQL, PostgreSQL, GraphQL

Libraries - React, React Testing Library, Chart.js, bs4, jQuery, Bcrypt, jwt-decode, Flask-JWT-extended

Frameworks / Tools - Node, Express, Django, Flask, SQLAlchemy, Jest, unittest, VSCode, Git, AWS S3

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern

October 2023 – November 2023

Foqal - Customer Support Platform Integrated with Slack and Microsoft Teams San Francisco, CA (Remote)

- Implemented a new date selection form for scheduling, improving error handling to correct invalid dates upon keystroke and adding conditionally rendered preset buttons generated based on timezone/DateTime.
- Enhanced user experience by creating a component to dynamically fetch and display ticket information from GraphQL queries + user selection of fields to display, utilizing React state to handle card updates.
- Collaborated on a 50,000-line codebase with a team of 9 engineers, using Agile methodologies to allocate issues between team members, and successfully plan and implement changes to the codebase.

TECHNICAL PROJECTS

Soccer ProLeagues - Web App using Web-scraped Pro Soccer Stats

[Website](#) | [Demo Video](#) | [Github \(Frontend\)](#) | [Github \(Backend\)](#)

- Constructed RESTful API backend with Flask and SQLAlchemy to serve data stored in PostgreSQL that was collected by web-scraping popular sports news websites with BeautifulSoup4.
- Built a responsive React front-end, utilizing complex state changes to provide user functionality to login and follow/unfollow teams and leagues, adding them to user-customized pages that can be securely accessed and modified by the user.
- Constructed object-oriented database model structure with SQLAlchemy, enabling queries to return associated team, league, and user data and to modify join tables to implement user follows and unfollows.
- Implemented user authentication and authorization on client-side and backend using JWTs to enable secure, personalized access for users with registered profiles.
- Utilized Docker to containerize the application environment and simplify the build process for the project frontend and backend, and hosted the project's frontend and backend via Render free instances.

Pixly - Full-Stack Photo Gallery App

[Demo Video](#) | [Github \(Frontend\)](#) | [Github \(Backend\)](#)

- Implemented functionality for user upload and retrieval of images via Amazon S3, with S3 file access links stored in a PostgreSQL database with image metadata and other information.
- Integrated image-editing functionality, allowing users to make simple image modifications, save associated image edits in Amazon S3, and toggle between original and updated images in the image detail page.
- Extended photo upload functionality to utilize PostgreSQL full-text search using stored metadata from image files.
- Utilized AWS S3 to generate protected URLs to provide access to photos stored in private AWS S3 buckets.

Jobly - Full-Stack Job Application Web App

[Live Demo](#) | [Github \(Frontend\)](#) | [Github \(Backend\)](#)

- Constructed object-oriented database model structure to create standardized and replicable queries to power a RESTful API backend.
- Implemented user authentication/authorization with JWTs on selected routes to protect routes and limit job application functionality based on logged-in status.
- Attained 98% test coverage for the back-end API utilizing test-driven development, incorporating both unit and integration tests, to ensure robust code quality and reliability.

Warbler - Full-Stack Twitter Clone[Github \(Flask\)](#)

- Utilized object-oriented methods for interacting with a PostgreSQL database using SQLAlchemy, simplifying database interactions to streamline the development process while powering core functionality of user following/followed-by features.
- Implemented protection of user and database information against CSRF attacks by implementing form validation with CSRF tokens through WTForms.

ADDITIONAL WORK EXPERIENCE**Independent Consultant****January 2022 – July 2023***Self-Employed**San Francisco, CA*

- Constructed robust financial models to analyze the impact of financing structure, hiring plan, management strategy, and company expenditures on company growth and capitalization.
- Provided expertise on issues related to investor outreach, marketing, and business development.

Senior Financial Analyst**July 2019 – September 2021***Hims & Hers**San Francisco, CA*

- Performed periodic analysis of product cross-selling and customer churn across the Company's hair and skin product lines, accounting for over \$90 million in company sales revenue in 2021.
- Conducted data-driven analysis of new products and potential promotions, providing projections of future sales, customer growth, and long-term customer attrition.
- Served as the finance team's primary point of contact with various departments (Marketing, People Ops, HR) - conducted periodic planning and budgeting sessions to forecast departmental expenses and inform long-term strategic planning.
- Collaborated on annual employee review process with HR and People Ops to aggregate and summarize employee reviews, maintaining secrecy and integrity with sensitive data.
- Responsible for oversight of marketing expenses, accounting for over \$100 million in annualized costs.

Investment Banking Analyst - Life Sciences Group**July 2016 – June 2019***Raymond James & Associates, Inc.**San Francisco, CA*

- Sale of Icon Bioscience, Inc. to pSivida, Inc. for \$130 million: Exclusive sell-side advisor to Icon Bioscience, Inc. (closed March 2018)
 - Lead analyst, collaborated extensively with the management team to construct a dynamic 3-statement operating model and forecast potential scenarios for future product reimbursement and sales.
 - Provided ad-hoc technical analysis to potential acquisition partners and coordinated with company management to structure and present requested information.
- Private Placement of ViaCyte, Inc. for \$81 million: Exclusive sell-side advisor to ViaCyte, Inc. (closed November 2018)
 - Lead analyst, constructed dynamic capitalization table to illustrate the impact of financing terms on overall capitalization structure and potential long-term shareholder payouts.
 - Analyzed the effect of financing structure on dynamically priced debt/equity including ESOP and convertible debt.
 - Constructed model template to illustrate ESOP split for private placements with multiple tranches.
- Conducted in-depth technical and qualitative research on companies in various healthcare subsectors, including biotechnology, pharmaceuticals, medical technology, specialty pharmaceuticals, and diagnostics.

EDUCATION**Rithm School****August 2023 – December 2023**

Full-Stack Web Development Bootcamp

*San Francisco, CA***Washington University in St. Louis****August 2012 – June 2016**

Bachelor of Arts in Economics, Second Major in Finance

St. Louis, MO