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, Prisma, Kysely, Vercel

SOFTWARE ENGINEER EXPERIENCE

Junior Engineer (Contract)   March 2025 – April 2025
Hotplate - www.hotplate.com   *San Francisco, CA*
- Collaborated on a >1,000,000-line TypeScript codebase with a team of 3 engineers, participating in regular planning sessions to allocate issues between team members and successfully plan and implement changes to the codebase. Collaborated with team members in Customer Service + Business Development to identify key product areas to improve.
- Implemented the inclusion of service fees, a line item to be tracked for all future food orders as an option to be toggled on/off by chefs. Modified Prisma schema and handled database migration, and constructed frontend router to calculate, store, and display service fees alongside order information at checkout. Ensured that service fees were accurately displayed along with completed orders, order checkout, receipts, and summary financials.
- Modified storefront page to allow for easier editing of displayed Links and FAQs. Implemented React components with draggable/droppable list functionality with collapsible form fields to allow chefs to seamlessly edit and reorder sections of their customer-facing storefront.
- Modified customer order confirmation page to display a dynamic image carousel for each item included in a customer's order, rendered conditionally based on the number of underlying images available for the specified order item.

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*