

JASON CAHELA

SOFTWARE ENGINEER

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[Github Profile](#)

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SKILLS JavaScript, Python, React, Redux, HTML5, CSS3, SQL, Git, PostgreSQL, Express.js, Sequelize, Flask, SQLAlchemy, AWS (Amazon Web Services), APIs, WebSockets, Node.js, Jinja, Pug

WORK EXPERIENCE

Software Engineer Assistant - App Academy, Remote

January 2022 – Present

- Administers mock technical interviews for a caseload of **>50 engineers**, focused on topics such as Data Structures & Algorithms, Systems Design, Technical Trivia, and interpersonal interviewing skills to increase placement rate of candidates
- Provides actionable feedback on whiteboarding exercises to interviewees to improve skills surrounding pseudocode, planning, time space complexity analysis, and input/output testing for DS&A
- Mentors engineers 1:1 during daily, technical office hours, providing **debugging** support to projects and coding challenges

Technical Support Specialist - Omnitrac, LLC, Dallas, Texas

June 2018 – May 2021

- Increased email case usage among clients by **34%** by decreasing turnaround time of email cases from **3 to < 1 business days** after creating a dedicated 2-person email team in partnership with the department team lead; growing the team by **200%**
- **Improved efficiency** of support associate and new hire training by **authoring best-practice documents** on the Camera Event Video product, freeing up resources by reducing the need for additional classes
- Identified, verified, and communicated **real-time customer impact** during mission-critical technical outages between Tier 2 engineering, Network Operations, and executive-level customers in order to ensure fixes and swiftly notify teams of results

TECHNICAL PROJECTS

Discourse (React, Redux, AWS, Socket.io, Express, Sequelize, Node, PostgreSQL)

[Live Site](#) | [Github](#)

A true to form, single-page clone of the popular chat application Discord, including Servers, Channels, Messages, and Friends.

- Constructed a friend request system with **React** conditional rendering and **Socket.io** methods to the backend that allows logged in users to send and receive friend requests in real-time and update friends lists as users accept/decline their requests
- Designed custom, reusable **React** components with prop threading for Server and Channel **Redux** objects so the application's displayed content will change depending on which server/channel the user clicks on, resulting in a single-page experience
- Implemented server-side validation for user auth, Discourse Server, Channel, and Message entities by leveraging custom **Express** validators to limit the character length of these entities and prevent them from being created/edited with empty or all-space values
- Demonstrated **CSS** expertise with **Flexbox**, positioning, and conditional class names to create a near replica of Discord's styling and layout from a **UI/UX** perspective

Finstagram (Flask, AWS, SQLAlchemy, Docker, React, Redux, PostgreSQL)

[Live Site](#) | [Github](#)

A social media JSPY application made in the design of Instagram in collaboration with two other developers

- Spearheaded management of the Github repository and issue workflow with automated Kanban board task creation to streamline the process of multiple developers working on various website features in tandem during a 1-week sprint
- Incorporated **AWS** (Amazon Web Services) **API** for user image upload on Posts to reduce load on the backend database and increase scalability of the application
- Designed social media follower and following functionality using a **PostgreSQL** many-to-many self-referential table relationship between the Users database table and itself, allowing accessibility to lists of other followed/following users in each user object
- Utilized communication and collaboration with team members through daily standups and asynchronous code reviews to deliver the full stack product within a 1-week sprint

Barhoppr (React, Redux, AWS, Sequelize, Express, PostgreSQL)

[Live Site](#) | [Github](#)

A drink check-in platform that allows users to create and share their favorite drinks

- Designed the bartop/wood theme of the website using **Figma** and plain **CSS** to fit with the style of the website's content (a pub/bar scene), with a centralized action button upon logging in to focus the user's attention on the Check-in functionality
- Implemented **React** context with a context variable that represented the drink selected so that clicking on a plus button on a specific drink card would open an ancestor Check-in form modal component with that drink's information pre-filled
- Constructed a modal search bar with autocomplete using **Redux** state and conditional rendering of the drinks list based on user input so that users can see drink suggestions when they start typing in the search form

EDUCATION

App Academy - Full Stack Web Development, San Francisco, California

June 2021 – Nov 2021

- Relevant Coursework includes: JavaScript, Python, React, Redux, CSS, Express, PostgreSQL, TDD, scalability, single-page apps, REST, security, error-handling, Agile Methodologies/SCRUM, Systems Design & Architecture, Data Structures, Algorithms

The University of Hawaii at Manoa - Honolulu, Hawaii

- *Bachelor of Arts in Psychology (Cum Laude, Honors Graduate in Behavioral Neuroscience Research)*

Class of 2015