

Brendan Downing

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[LinkedIn](#) [Github](#) [Portfolio](#)

SKILLS

Software Languages: Java, JavaScript, Next.js, GraphQL, Node.js, Python, Tailwind.css, Socket.io, AWS S3, React.js, Express.js, Flask, Jinja, Pug, Redux, SQL, SQLAlchemy, Docker, Git, HTML5, CSS3, AGILE, REST, GIT, GITHUB

EXPERIENCE

Contributor - Open Source Project

July 2022 - Current

OpenBeta.io

Open source rock climbing catalog developed with Next.js, Apollo GraphQL, Auth0, Typescript, and React.js

- Implemented a sitemap.xml file generated by the websites pages, with **Typescript** and **GraphQL** increasing overall web traffic and website exposure through search engine optimization
- Crafted **React.js** component that allows users to import their previously ticked climbs from another website(mountainproject), increasing ease of use and access for our users.

PROJECT PORTFOLIO

WindVentory

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

Inventory tracking application created over a month, utilizing Javascript, Python, React.js, Flask, Redux, and Socket.io.

- Created website front-end, backend, and database schema from scratch with **React.js**, **Redux**, **Flask**, **Python** and **PostgreSQL** to solve several common and costly problems that arose in my past job.
- Engineered back and front-end permissions for the applications 4 user types, together with a functional, user-friendly admin panel for the business owner allowing the admin user to manage teams, job sites and users of the application.
- Revamped UI/UX experience based on user feedback with **Tailwind.css** to make the application look more professional, and more user friendly.
- Integrated **Google Places API** alongside **Leaflet.js** to get recommended amenities nearest the users hotel, display them on a map, and render them in a list allowing the user to efficiently navigate to their chosen location using Google Maps.

Chatter

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

Slack clone crafted over 1 week using AWS S3, Javascript, React.js, Docker, Python, PostgreSQL, SQLAlchemy, Flask, and Socket.io.

- Spearheaded implementation of **Socket.io** to create several features with real-time, bi-directional dataflow, namely online/offline notifications, live chat, and channel updates.
- Architected the application dashboard layout, chat features, **AWS** setup, and **Socket.io** connections, in conjunction with the development of most of the application's back-end **API routes**.
- Lead creation of group Kanban board, and kept group members ontrack (morning standup) throughout the project until project completion

SoundCloud

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

SoundCloud clone developed in a 1 week sprint with AWS S3, Javascript, Express.js, React.js, PostgreSQL and Redux.

- Engineered the application music player from scratch, with **Howler.js** and **React.js**
- Utilized **Wavesurfer.js** source code to allow users to comment on songs at a certain time, and have that comment be shown on the waveform at the time it was made.

OTHER EXPERIENCE

Lead Blade Repair Technician

February 2020 - May 2022

Rope Partner

- Purposefully took assignments for large / complicated blade repairs to expedite my learning / growth process as an emerging repair technician.
- Achieved high quality in blade repairs, as acknowledged thru positive feedback from both blade services team and customers
- Increased site wide technician productivity by 15% through development and maintenance of a ground support inventory tracking application using Google Appsheet in conjunction with several spreadsheets.

EDUCATION

App Academy - Immersive software development course, 20% passing rate with no deferrals (Winter/Spring 2022)

West Valley College AA - Psychology 3.9 GPA (September 2017 - May 2019)