Brendan Downing

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408-916-6314

TECHNICAL SKILLS

Java, JavaScript, Typescript, Next.js, Spring Boot, Apollo GraphQL, MongoDB, Mongoose, Node.js, Python, PostgreSQL, Tailwind.css, Socket.io, AWS S3, React.js, Express.js, Flask, Redux, SQLAlchemy, Docker, Git, HTML5, CSS3, GIT

TECHNICAL EXPERIENCE

Contributor - Open Source Project   July 2022 - Current

OpenBeta.io

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

- Implemented a sitemap.xml file generated by the website's pages, with **Typescript** and **GraphQL** increasing overall web traffic and website exposure through search engine optimization
- Crafted component leveraging **React.js** and **Next.js** that allows users to import their previously ticked climbs from another website (Mountain Project), increasing ease of use and access for our users.
- Designed a full-stack feature with **Apollo GraphQL**, **MongoDB**, and **React.js** that allows users to mark a climb as completed or tried, and document information about their attempt
- Leveraged **TDD** principles and created test specs with **Jest** to test the ticks collection in **MongoDB** allowing for a streamlined development process as the application grows
- Focused on **code readability** and **technical documentation** when creating these features

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 application's 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 show amenities nearest the users hotel on a map, in a list, ultimately allowing the user to navigate to these locations

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 **PostgreSQL** database prioritizing efficiency and scalability
- 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 **restful API routes**.
- Lead the creation of the group Kanban board, kept group members on track (morning standup) throughout the project until project completion, and directed group members on **Git Workflow**

FeatureBox - In progress   Github

Spring Boot Application backend built with AWS S3, PostgreSQL, focusing on practical usage of DS&A concepts.

- Utilized a **Trie** data structure **cache** to create an autocomplete search feature similar to googles autocomplete feature allowing for optimized **API** calls and a faster user experience
- Engineered test specs using **Junit** to test the **Trie** feature along with other application features

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.
- Communicated effectively with team members, utilizing leadership and team-building skills, resulting in an efficient, and enjoyable team experience
- Achieved high quality in blade repairs while **working remotely**, as acknowledged thru positive feedback from both the blade services team and customers
- Increased site-wide technician productivity by 15% through the development and maintenance of a ground support inventory tracking application using Google Appsheet in conjunction with several spreadsheets.

EDUCATION

App Academy - 24-week immersive software development course, 20% passing rate with no deferrals   **Completed July 2022**

West Valley College *Associates in Arts - Psychology 3.9 GPA*   **September 2017 - May 2019**