Brendan Downing   b.downing.code@gmail.com   408-916-6314   LinkedIn Github Portfolio

COMPETENCIES

Individual Skills: Quick Study, Self-Motivated, Passionate, Solution-Oriented, Team-Player, Empathetic, Adaptable , TDD

Software Languages: Java, JavaScript, TypeScript, Node.js, Python, Socket.io, AWS S3, React.js, Express.js, Flask, jQuery, Mocha/Chai, Jinja, Pug, Redux, SQL, SQLAlchemy, Docker, Git, HTML5, CSS3, AGILE, REST, GIT, GITHUB

EXPERIENCE

Contributor/ Software Engineer

OpenBeta.io, Jul 2022 - Current

- Implemented a dynamic sitemap.xml generator utilizing Typescript and GraphQL to increase web traffic and website exposure through Search Engine Optimization

PROJECT PORTFOLIO

WindVentory   Live Site | Github

Business application utilizing Javascript, Python, React.js, Flask, Redux, and Socket.io for real time updates and chat features.
Engineered to decrease lost time, wasted materials, and overall cost of large-scale blade repair jobs in the Wind Energy sector.

- Engineered back and front-end permissions for the applications 4 user types, together with a functional, user-friendly admin panel for the business owner.
- Followed design spec to create components focused on ease of use and optimizing user experience, while minimizing time and space complexity, created using pure CSS.
- Designed and Implemented back end API to validate user roles, sort inventory by job sites, teams, and type as well as fetch jobsite weather and wind speeds.
- Masterminded a scalable PostgreSQL Database design

Chatter   Live Site | Github

Slack clone developed with 3 other software engineers within a 1 week timeframe utilizing AWS S3, Javascript, React.js, Docker, Python, PostgreSQL, SQLAlchemy, Flask, and Socket.io.

- Utilized 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 Societ.io connections, in conjunction with the development of most of the application's back-end API routes.
- Responsible for managing group Kanban board, and keeping group members ontrack throughout the project until project completion

SoundClout   Live Site | Github

SoundCloud clone developed within a 1 week timeframe utilizing AWS S3, Javascript, Express.js, React.js, PostgreSQL and Redux.

- Created dynamic, hand-made music player with Howler.js, and waveSurfer.js.
- Engineered the base application state and store from scratch, enabling the user to listen to songs while navigating to different pages of the website
- Implemented algorithm to sort top 8 most liked songs within the database at an efficiency of O (n log n).

OTHER EXPERIENCE

Beginner Lead Blade Repair Technician

Rope Partner, Feb 2020 - May 2022

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

Supervisor, Retail Coordinator, Opener

Planet Granite, September 2018 - November 2019

- Twice recognized as top performing employee in quarterly Company Staff Meetings. Consistently requested by management to take on out-of-scope tasks.
- Received promotions to Supervisor and Retail Coordinator (8 months) that included responsibility for prompt daily opening of the gym.

EDUCATION

App Academy - Immersive software development course on full stack web development, 20% passing rate with no deferrals, <3% acceptance rate (Winter/Spring 2022)

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