

Sean Welsh Brown

Full-Stack Software Developer

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github.com/SeanWelshBrown | linkedin.com/in/seanwelshbrown/

TECHNICAL SKILLS

Proficient: JavaScript, React, Redux, Python, Django, HTML, CSS, SQL, PostgreSQL, MySQL

Working knowledge: Docker, AWS, Ruby, Ruby on Rails, Sass, Webpack, npm

EXPERIENCE

Junior Software Developer

Hoboken, New Jersey

Genesis Research

11/ 2020 - Present

- Built and maintained front end web applications in **JavaScript** and **React**:
 - Led development on company website redesign, improving interactivity and mobile responsiveness, as well as implementing new features and routing for static and dynamic pages.
 - Designed new features on database management tool, creating new routes for administrators to create and update job listings and news posts for serialization on company website.
 - Developed interactive data visualization tool in EVA (Evidence and Value Access), a marketed application serving as an advanced data repository and value demonstration platform.
- Enhanced existing codebases with modern React syntax and conventions.
- Connected **Python and Django APIs** to React applications with deployment and maintenance on **AWS**.
- Led front end development in the initial phase of a new marketable software product, including managing a contracted developer, establishing style guides, and delineating labor/goals.
 - Advocated for better coding conventions in new projects, including in-house linting rules and a switch to TypeScript for stronger typing and error handling.

PROJECTS

Focus - Full-Stack | hosted: <https://focus-app-frontend.netlify.app/> | GitHub: [Front End](#) / [Back End](#)

A Meditation and Focus wellness app, built around custom timers and interactivity.

- **Built with: React, Redux, Ruby on Rails, Moment.js**
- Used Moment.js and JavaScript APIs to create custom timers for interactive meditation and focus sessions structured around the Pomodoro method.

The Fractal Zone - Full-Stack | hosted: <https://thefractal.zone/> | GitHub: [Front End](#) / [Back End](#)

An interactive graphical application to generate and save custom fractal designs on an HTML5 canvas.

- **Built with: React, Redux, Ruby on Rails, P5.js**
- Designed and structured front end using a single page web app design and custom-built UI.
- Created full stack user profile system for saving designs, authenticated with JWT and Bcrypt.

Today - Full-Stack | hosted: <https://liaowow.github.io/today-frontend/> | GitHub: [Front End/Back End](#)

A personal journaling app to archive daily moods and thoughts.

- **Built with: vanilla JavaScript, Bootstrap, Ruby on Rails, Moment.js**
- Experimented with calculating average mood trends in front end logic based on saved attributes of previous journal entries.
- Used Moment.js and Dark Sky weather API to create an informational dashboard.

EDUCATION

Flatiron School

Accelerated Immersive Software Engineering Program

Curriculum: JavaScript, React, Redux, Ruby on Rails, SQL, HTML, CSS

Brooklyn, New York

12/ 2019 - 03/ 2020

New York University

Bachelor of Fine Arts in Theatre

Minor in Web Programming and Applications; (Python, JavaScript, HTML, CSS)

New York, New York

05/ 2014