

SHAWN BOYLE

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

JavaScript / TypeScript / Python / React / Redux / Node.js / Flask / SQLAlchemy / HTML5 / CSS3 / PostgreSQL / Docker

RELEVANT WORK EXPERIENCE

Planned Career Break

Jun 2022 - April 2024

- **Took a necessary career hiatus** to address health and personal matters, ensuring a return to the field with renewed focus and vigor.
- **Maintained an active interest in technology and software development** through following industry trends and engaging in continuous learning with Harvard's CS50 course and projects such as a poker calculator, ensuring skills remain up to date.
- **Focused on personal resilience and adaptability**, preparing for a seamless transition back into a dynamic professional setting with enhanced problem-solving and time management skills.

Junior Front-End Developer | *BrainStorm*

April 2022 - Jun 2022

- Spearheaded **Video.js** overhaul for our product, updating vanilla **JavaScript** functionality, as well as creating **custom plugins**.
- Created performance charts and visualized statistics for partners using **Redux Toolkit**, **Redux Saga**, and **D3.js**.
- Replicated **Zeplin** designs from the **UX** team for our **React**, **TypeScript** & **Sass** frontend, communicating through **Jira** tickets.
- Migrated **Enzyme tests** to **React Testing Library/Jest**, increasing **test coverage** and maintainability for a new product launch.
- Practiced **SDLC/Scrum** methodology through **2 week sprints**, communicating regular product updates to shareholders.

Junior Software Engineer | *Flapmax (Contract)*

Nov 2021 - Dec 2021

- Engineered optimization for AI models via **FastAPI** for **RESTful** routes to validate the models, running **automated tests** on **Azure Virtual Machines** to measure and optimize output, resulting in improved throughput, latency, and memory footprint.
- Integrated **Azure cloud storage** services for **PostgreSQL** and **MongoDB** providing **SQL** and **NoSQL** storage, allowing for efficient, flexible data management for our **backend API**.

L1 Technical Support Engineer | *Instructure*

May 2020 - Dec 2020

- Utilized internal Canvas technologies to troubleshoot **API** integrations into virtual classrooms by replicating bugged environments for **testing and debugging**, then communicating and applying a fix to live environments.
- Assisted admins, teachers, and students to resolve 80+ tickets per 20 hour weeks on the Canvas platform, by navigating a thorough troubleshooting process centralized around various bugs and common issues.

TECHNICAL PROJECT EXPERIENCE

PROGRAMMATIC | *Group Project built with React, Redux, Flask-SQLAlchemy, AWS S3, PostgreSQL, Docker*

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

- Engineered a visualization of **Dijkstra's Algorithm** by calculating the shortest path for a weighted graph of nodes, rendering the graph and edges with a **React/CSS** grid, then animating the traversal and shortest path for an enhanced **UI/UX**.
- Programmed a fluent search algorithm with **React** to match user queries with comprehensive filtering, returning results facilitated by modern **React hooks** for accurate **DOM** rendering.

CRESCENDO | *Solo Project utilizing React, Redux, Node.js, Express, Sequelize, AWS S3, PostgreSQL*

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- Demonstrated extensive attention to detail by developing a Spotify clone, utilizing the audio element to construct a feature-rich, application wide audio player with several intuitive controls for a seamless experience.
- Developed a relational database with 12 tables held by **PostgreSQL**, which I queried on the **Node.js** backend's **Express** server with the **Sequelize ORM**, allowing server data to have clarity, accessibility, and quick responses.

EDUCATION

App Academy | *Full- Stack Web Development*

Oct 2021

- *Rigorous 1000-hour software development course with <3% acceptance rate*
- *Topics include: TDD (Test Driven Development), scalability, algorithms, OOP (Object Oriented Programming), REST API's, security, single-page apps, pair programming, coding style, design patterns, and web development best practices.*