

SHAWN BOYLE

(801) 541-6884

shawn.boyle01@gmail.com

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS JavaScript / TypeScript / Python / React / Redux / Node.js / Jest / RTL / Cypress / HTML5 / CSS3 / PostgreSQL / Docker

RELEVANT WORK EXPERIENCE

Junior Front-End Developer | *BrainStorm*

April 2022 - Jun 2022

- Utilized **Jest** and **React Testing Library** to achieve a minimum of **80% test coverage** between **Unit** and **Component** tests.
- Migrated **Enzyme tests** to **React Testing Library/Jest**, modernizing and improving maintainability for a new product.
- Created performance charts and visualized statistics for partners, allowing for improved visibility and partner satisfaction by using **Redux Toolkit**, **Redux Saga**, and **D3.js**.
- Practiced **SDLC/Scrum** methodology through 2 week sprints, delivering 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, delivering swift and robust fixes to live environments.
- Assisted admins, teachers, and students on the Canvas platform by navigating a thorough troubleshooting process centralized around various bugs and common issues, resolving 80+ tickets per 20 hour weeks.

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*

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

- 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.

Professional Development

Testing and QA Development

Present

- Building Cypress and Jest test suites for personal projects to deepen QA automation skills.
- Expanding knowledge and implementation skills for end-to-end testing frameworks.

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.

DoD 8570 IAT Level II | *CompTIA Security+ CE Certification*

Exp 2027

University of Helsinki | *Java Programming 1, Java Programming 2*

Present

Harvard University | *CS50*

Present