

Owen Sellner

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Technical Skills

Languages: JavaScript, TypeScript, C#, HTML, CSS, Python, VBA

Frameworks: React, Node.js, ASP.NET

Tools: Git, MongoDB, PostgreSQL, Netlify

Work Experience

Software Developer - Transport Canada

Jan. 2024 - Apr. 2024

- Developed an information retrieval tool with **ASP.NET** and **C#** to index and search through text documents, leveraging Microsoft Azure Search to extract names, dates, and locations.
- Created a **PostgreSQL** database schema and built **REST APIs** to access and edit the key information.

Junior Developer - Food Processing Skills Canada

June 2023 - Sept. 2023

- Built a customizable email automation tool with **JavaScript** for an online course to improve student retention by recommending learning modules to review for struggling students.
 - Engineered a **VBA** script to extract text data from Word documents and convert it to CSV format to automate the process of uploading course content to the website.
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Extracurriculars

Technical Project Lead - UW Blueprint

Jan. 2024 - Apr. 2024

- Planned the software architecture design of a data management web application for the non-profit Child Witness Centre utilizing **Typescript**, **Node.js**, **React**, and **MongoDB** to simplify the process of onboarding and managing volunteers.
- Provided technical leadership to a team of student developers by implementing best code practices, conducting code reviews, creating development tickets and mentoring developers.

Software Developer - UW Blueprint

May 2023 - Dec. 2023

- Developed a data management web application for the non-profit Supportive Housing of Waterloo utilizing **Python**, **Flask**, **TypeScript**, **React**, and **PostgreSQL** to help the organization's staff track resident information and maintenance requests for each of their locations.
 - Built the user interface for inputting 2FA access codes as well as improved the page routing to prevent non-verified users from accessing the application.
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Projects

UW Energy Network Website - HTML, CSS, Javascript, Netlify

- Designed and developed a responsive website using **HTML**, **CSS**, and **Javascript** for the UW Energy Network club to promote their events, podcast episodes, and to direct their members to helpful resources.
- Implemented the events with **HTML** templates using **Javascript** to extract event information from a **JSON** file allowing for the UW Energy Network team to add, remove, and edit their events.

Type Trainer - HTML, CSS, Javascript, Netlify

- Developed a website using **HTML**, **CSS**, and **Javascript** to help improve typing skills by allowing users to practice uninterrupted typing of quotes fetched from the Quotable API and deployed the website using **Netlify**.
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Education

2020 - Present

University of Waterloo - Bachelor of Applied Sciences in Management Engineering, Option in Software Engineering