

Summary

Full-stack developer experienced in designing and building web applications and APIs in JavaScript, TypeScript, React, Node, Python, and PHP.

Skills

- **Browser:** JavaScript, TypeScript, IndexedDB, jQuery, custom HTML elements, React, React Router, Redux, HTML, CSS/SCSS, GraphQL
- **Server:** Node, Python (Django), PHP (Symfony Framework), REST APIs
- **SQL** (Postgres and Oracle)
- **Accessible** HTML design and screen reader testing
- **Git** and GitHub
- **XML:** XML Schema, XPath
- UI design focusing on usability and UX
- Vector graphics and logos
- Adobe suite: Illustrator, InDesign, Photoshop, XD
- Microsoft Office suite

Projects

Verse: versereader.netlify.app

A web-based single-page reader app for viewing collections of verse, like books of songs and poems. It offers rapid navigation, page display customization, intuitive search and find features, and good accessibility. (February 2023)

Built with: React, TypeScript, React Router (with form-based loaders and actions), custom HTML elements, IndexedDB, CSS/SCSS, XML (XML Schema, XPath).

Pokémon Finder: pokemon-finder.netlify.app

A proof of concept for a dynamic browser-based reporting application for analysing data from the popular video game *Pokémon*. (March 2019)

Built with: React, TypeScript, a GraphQL API based on the open source PokéAPI project, Apollo-GraphQL, Redux, Python, Docker.

Education

Ontario College Diploma

Georgian College of Applied Arts and Technology
Graphic Design Production
(Sept 2016 to June 2018)

Experience

Marttinen Finish Carpentry (Barrie, ON)

Finish Carpenter (April 2017 to August 2022)

Custom finish carpentry with a focus on excellent quality and attention to detail.

PokéAPI: pokeapi.co

Core contributor (2017 to 2019)

PokéAPI is an open source REST API for Pokémon data. I re-built the website, fielded support requests and helped transition the former dynamically-served REST API to the current static API.

JavaScript, React, Python, Django, Firebase, Docker.

Port of Wilmington, Delaware USA

Software Programmer (March 2015 to May 2016)

Created applications for use by internal staff and outside customers using PHP, Symfony Framework, Oracle SQL, HTML/CSS, JavaScript, and React:

- Started long-term rebuild of company's legacy PHP-based Intranet platform
- Built and trialled forklift-mounted tablet system for managing pallet movements in the warehouse
- Built and trialled mobile web app for tracking shipping container movements on and off ships and in the field, for use by field personnel

The City of Barrie, ON

Facilities Generalist (March 2014 to March 2015)

Cleaned two public buildings and handled minor repairs.