



Max Caplan | maxcaplan.com

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Halifax/Nova Scotia

Software Developer (Full Stack)

Software developer with 5 years of experience leveraging a wide range of technical and design skills to solve full stack web development problems. Passionate about continuous learning and growth, teaching, and building cool things.

Education

IB Diploma, Horton High School | 01/2014 - 05/2019 | Nova Scotia

IT Web Programming, NSCC IT | 09/2023 - 04/2026 | Nova Scotia

Skills

Programming languages - HTML | CSS | Typescript | NodeJS | SQL | Python | Rust

Frameworks - React | Vue | Next | Nuxt | Astro | Tailwind

Design Tools - Figma | Inkscape | Gimp | Blender

Work Experience

Shopify Developer, Only One Brands | 11/2024 - 12/2024 | Nova Scotia

- Conducted a full website audit to identify website performance specific issues, plugin management issues and SEO deficiencies.
- Optimized all pages for key performance metrics.
- Updated website plugins and templates.
- Developed lightweight bespoke website components.
- Updated content to modern formats for performance.

SEO Engineer, Insight Mental Health | 01/2024 - 04/2024 | Nova Scotia

- Conducted a full website audit to identify both technical SEO deficiencies as well as website performance specific issues.
- Optimized pages for key performance metrics including total blocking time, largest contentful paint, and first contentful paint.
- Implemented page caching for improved loading speeds.
- Updated image assets to modern formats.
- Optimized on page elements for improved search engine visibility.
- Optimized website content to be SEO friendly.
- Achieved overall website speed increase by upwards of 50%

Frontend Developer, connorbell.ca | 09/2022 - 11/2022 | Nova Scotia

- Comprehensive full website redesign bringing it up to modern standards optimized for mobile.
- Implemented the redesign using Tailwind CSS for the UI and Jekyll as the static site generator.
- Performance gains upwards of over 60% through image optimizations and initial load optimizations.
- Implemented site wide SEO best practices.
- Developed a lightweight lightbox component and integrated it with the website build system.
- Visit the live website at **connorbell.ca**

Grocery Clerk, Stirling Fruit Farms | 09/2021 - 08/2023 | Nova Scotia

- Responsible for providing high quality customer service and ensuring the smooth operation of the grocery department
- Greeted and assisted customers with a friendly demeanor
- Stocked shelves and produce, managed inventory, and maintained a clean market
- Took pride in being part of a team that provided people with local and sustainable products in an inviting and friendly environment

Full Stack Developer, GoodGoodsCAN | 06/2020 - 02/2021 | Nova Scotia

- Developed a demo for a multi-vendor e-commerce web application to be used for funding pitches.
- Implemented user authentication and profiles, a filtered product feed, and a backend content management tool.
- Utilized Nuxt JS for server side rendering of the application, and Firebase cloud computing services for the application backend.
- A demo of the project can be found at **www.goodgoods.ca**

Full Stack Developer, Spark West Network | 02/2017 - 01/2019 | Nova Scotia

- Co Founded an umbrella marketing company for rural entrepreneurship in the Annapolis Valley area.
- Assumed the role of lead developer creating an initial web application for event hosting.
- Subsequently, contracted for a complete site overhaul post-departure from the company.
- Utilized Nuxt JS for server side rendering of the application, and Firebase cloud computing services for the application backend.
- Visit the live site at **www.sparkwest.network**

Full Stack Intern, Henry Schien | 07/2017 - 08/2017 | Nova Scotia

- Developed a proof of concept for a web based multi modal authentication system.
- Utilized machine learning for both facial detection and voice recognition.
- Tensorflow JS was used for facial detection. Facial and voice recognition was done using Tensorflow and Keras in a Python environment.
- You can find the project repository at:
www.github.com/maxcaplan/Multipart-Authentication

Volunteering

Beginner Godot Course, Refresh Annapolis Valley | 02/2023 - 04/2023 | Nova Scotia

This course, hosted by Hoist Annapolis Valley, was created and taught by myself as a 6 session bootcamp for 2 cohorts of students ranging from grades 6 through 12. The course went over the fundamentals of programming, game design, and game development through hands-on learning. Participants created a basic 2d platforming video game in the Godot game engine over the span of the course.

You can find more details on the course at:

www.refreshannapolisvalley.org/event/hoist/video-game-development-with-godot/

Hoist AV, Refresh Annapolis Valley | 01/2017 - 08/2019 | Nova Scotia

Hoist Annapolis Valley was a monthly workshop for teens hosted by Refresh Annapolis Valley. The workshops would feature a new topic each month in the fields of technology, design, and entrepreneurship. Guest speakers would regularly run workshops sharing their professional experience. I volunteered as one of the main organizers of the project, as well as a mentor, and a presenter.

You can find more details on Hoist Annapolis Valley at:

www.refreshannapolisvalley.org/project/hoist

Creative Computing, Refresh Annapolis Valley | 1/2017 - 8/2019 | Nova Scotia

Creative Computing was a project of Refresh Annapolis Valley that aimed to bring STEAM education to kids between the ages of 8 and 13. The project took the form of single day workshops, multi week courses, summer camps, and a two day hackathon. I volunteered with Creative Computing as mentor, camp counselor, and later as a camp organizer in charge of planning, developing, and running camp activities.

You can find more details on Creative Computing at:

www.refreshannapolisvalley.org/project/creative-computing