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7+ years of experience with: ————— *Crafting Digital Experiences*

Building high-impact web applications using **HTML, CSS, TypeScript, Vue, and Tailwind**, always with a keen focus on delivering a "*damn, this feels so good to use*" experience. I love Vue's **performance and ergonomics**, and Tailwind's opinionated nature enforces **consistency and reduces** decision fatigue; though I recognize no framework is without its quirks. My professional journey also includes experience with Nuxt, React, Next.js, and Angular.

Strategic Product Development & Collaboration

Discovering **business requirements** with expertise in **data modelling and UI architecture**, providing valuable insights, and challenging assumptions to ensure optimal user experiences and **robust, scalable solutions**. I facilitate discussions and actively work to prevent business dynamics from compromising usability, accessibility, or seamlessness – aspects I take very seriously.

Design Systems & APIs

Leading the creation of **design systems**, both independently and in collaboration with UI/UX designers. I'm proficient in **writing and consuming APIs (REST, GraphQL)** and enjoy close collaboration with backend engineers. My experience includes databases such as DynamoDB, MySQL, and MongoDB, alongside backend frameworks like Express and Django (my least favourite).

Integrating, maintaining, and stressing over **CI/CD** (GitHub Actions, Azure Pipelines, Jenkins, AWS Lambda / API Gateway, Red Hat OCP).

Best Practices

Implementing and reviewing **web accessibility (WCAG)** and **performance (Lighthouse)** best practices. I'm a strong advocate for clear, well-documented code styling through code reviews.

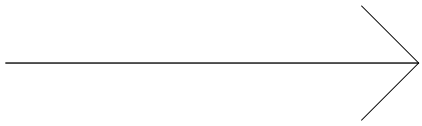
Setting up and troubleshooting bundlers / tooling (Vite, Webpack).

Writing unit tests (Jest, Vitest), ideally embracing Test-Driven Development (TDD) principles when timelines allow for it.

Implementing immersive 3d experiences on the web (ThreeJS, WebGL, shaders, and a bit of Unity with C#).

Fostering a healthy work culture where we actually trust and enjoy being around each other.

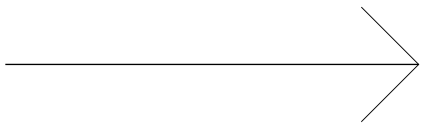
Apr 2023 - present	<p>Senior Front End Developer for <u>Royal Bank of Canada</u> (Toronto, ON) (Permanent Full-time, Hybrid)</p> <p>As part of the Global Cybersecurity team, I lead UI Engineering across four internal applications. We build data visualization platforms that are critical for our threat hunting, fraud, and regulatory teams to effectively test, detect, and block security violations involving highly sensitive user data. Think of millions of rows of data translated into dashboards, graphs, and charts - but on steroids.</p> <p>I specialize in simplifying complex legacy codebases and integrations into elegant, seamless, and high impact user interfaces, which is especially challenging in a corporate environment.</p> <p>I also review and coordinate work from senior full-stack developers, and actively mentor the team on best practices for UX, accessibility, and performance. Our core stack includes Vite, Tailwind, Vue 3 + TypeScript.</p>
Jan 2021 - Apr 2023	<p>Lead Front End Developer for <u>Creative Layer / Remx</u> (Ottawa, ON) (Permanent Full-time, Remote)</p> <p>Bootstrapped the Remx SPA using Threejs, Vue3, Vite, TypeScript, Apollo, and Vitest. Deep dived into WebGL and writing custom shaders</p> <p>Set up a 3d modelling and rendering workflow and wrote cool lambdas to render and export 3d models in the cloud</p> <p>Developed a generative "collections" system storing all 3D model variations (textures, colours, rarity traits) based on artist input. This enabled user randomization and minting of unique variations, integrated with web3 authentication and digital wallets. Also developed a character creation tool that allows users to dress, animate, and customize their digital personas</p>
Aug 2018 - Jan 2021	<p>Front End Software Developer for <u>Cineplex Entertainment</u> (Toronto, ON) (Permanent Full-time, Hybrid)</p> <p>Played key role in transitioning our .NET MVC front end to a modern Jamstack architecture, specifically utilizing Next.js and React</p> <p>Delivered AODA / WCAG compliant campaigns across major platforms, including Cineplex.com, CineplexStore.com, and TheRecRoom.com, using Vue</p> <p>Improved content delivery by transforming inline layouts into modularized templates, decoupling data from the view layer using Agility CMS (headless).</p>
Dec 2016 - Aug 2018	<p>Front End Developer (freelance) VR Developer (part time)</p> <p>Worked with several clients in Toronto and GTA area developing branding elements, graphics, responsive websites, interfaces and emails for the entertainment and education industries. Clients include Seneca College, Shoppers, and Air Georgian.</p> <p>Worked as a junior VR Developer (Unity) for Seneca College.</p>



Certifications

2025 **MongoDB Associate Developer**
MongoDB (Toronto, ON)

You might wonder why I pursued a Mongo certification while working in a Postgres shop. The answer is: I just like Mongo.



Education

2020 **Full Stack Development**
Juno College (Toronto, ON)

Back end setup, client & server communication, API implementation, NoSQL databases, authentication techniques

2017 **Interactive Media Design 2 year Diploma**
2018 **Seneca College (Toronto, ON)**

Took many years of self-taught web development and design skills for a walk in formal training

2006 **Master of Architecture, major in Lighting**
2014 **Universidade Federal Fluminense (Rio de Janeiro, Brazil)**

I spent many, many years studying Architecture only to find out I really like computers. It happens.