

# CHRIS HUGHES

Software Developer

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## SUMMARY

I am a software developer and systems administrator from Cape Breton, Nova Scotia. I have been programming and working on Linux systems for about 8 years. I have a diploma in IT Programming and a BA in Anthropology.

## SKILLS

**Languages:** Java, Go, TypeScript, C, Rust, Bash, SQL

**Frameworks:** Spring, React, HTMX, Bun

**Infrastructure:** AWS, Docker, PostgreSQL, Linux, Nginx

## EDUCATION

2023 - 2025	<b>IT Programming Diploma</b> Two-year program focused on software development. Included courses on database fundamentals, Java Spring, Node, Data Structures, and Linux.	<b>NSCC</b>
2004 - 2008	<b>Bachelor's Degree</b> Specialization in cultural anthropology with a minor in Spanish.	<b>Trent University</b>

## PROJECTS

Java/React	<b><a href="#">Atlantic Emissions Map</a></b> An interactive tool for visualizing emissions data, enabling easier policy analysis by environmental researchers. Data sourced from federal Greenhouse Gas Reporting Program (GHGRP).	<a href="#">GitHub Link</a>
Rust/PostgreSQL	<b><a href="#">Encounter Builder</a></b> Web application that provides a convenient way to create quick and balanced encounters for the popular table-top role-playing game Pathfinder Second Edition. Wrote an application to scrape and verify creature data from open source web documents.	<a href="#">GitHub Link</a>
Go	<b><a href="#">Static Site Generator</a></b> Go project that provides a seamless blogging experience in Emacs Org mode. Allows for configuration of content, custom pages, font faces, color schemes via easy to edit TOML files. Creates a static website that can be hosted as a static site on GitHub pages or a similar hosting service by simply pushing the created files to the server.	<a href="#">GitHub Link</a>
TypeScript/Bun	<b><a href="#">Developer Blog</a></b> Created a light-weight blogging website using Bun, HTMX, Mustache, Sharp, and Cheerio. Configured Nginx as a reverse proxy and for caching. Implemented simple yet effective file-system routing to explore built-in Bun features.	<a href="#">GitHub Link</a>

## EXPERIENCE

2025 - present	<b>EdTech Specialist</b> <ul style="list-style-type: none"><li>• Learning management system data migration from Brightspace to Buzz.</li><li>• Write HTML and CSS that conform to style and accessibility standards.</li><li>• Develop JavaScript and Shell scripts to streamline workflows.</li><li>• Work with Microsoft 365 to organize work, manage content, and collaborate with my team.</li></ul>	<b>LearnNorth</b>
2023 - present	<b>Programming Tutor</b> <ul style="list-style-type: none"><li>• Tutoring in web development including Node.js, Java Spring, JavaScript, HTML/CSS.</li><li>• Tutoring in C programming including dynamic memory management, data structures, and error handling.</li></ul>	<b>Nova Scotia Community College</b>
2020 - present	<b>Freelance Web Developer</b> <ul style="list-style-type: none"><li>• Develop and maintain server-side applications and APIs.</li><li>• Design and manage databases for performance and security.</li><li>• Implement business logic, authentication, and integrations with third-party services.</li><li>• Collaborate with front-end developers and communicates with clients.</li></ul>	<b>Chris Hughes dot Dev</b>

## LANGUAGES

**English** - native, **Spanish** - intermediate