

CHRIS HUGHES

Software Developer

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📍 Mabou, Nova Scotia

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, TypeScript, C, Rust, Bash, SQL

Frameworks: Spring, React, HTMX, Bun

Infrastructure: AWS, Docker, PostgreSQL, Linux, Nginx

EDUCATION

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

PROJECTS

Java/React	Atlantic Emissions Map An interactive tool for visualizing emissions data, enabling easier policy analysis by environmental researchers. Data sourced from federal Greenhouse Gas Reporting Program (GHGRP).	GitHub Link
Rust/PostgreSQL	Encounter Builder 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.	GitHub Link
TypeScript/Bun	Developer Blog 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.	GitHub Link
Clojure/Reagent	Subnetting Calculator Created an easy to use IP calculator that applies a sub net mask to an IP address and displays in dotted decimal and binary formats. Provides an educational resource for students learning about sub nets mask calculations by visually displaying how bits are calculated when a sub net mask is applied to an IP address.	GitHub Link

EXPERIENCE

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

LANGUAGES

English - native, **Spanish** - intermediate