



CHRIS HUGHES


Database Administrator

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SUMMARY

I am a database administrator from Nova Scotia enrolled at NSCC in IT programming. I have experience with Python, PostgreSQL and in the marine sector.

SKILLS

Languages: Python, Java, SQL, TypeScript, C/C++, Rust, Shell.

Technologies: PostgreSQL, Linux, Docker, Spring, AWS, Node, MySQL, Nginx.

PROJECTS

Java/React	Atlantic Emissions Map GitHub Link Interactive map of emissions data from Atlantic Canada. Data is sourced from the federal Greenhouse Gas Reporting Program (GHGRP). The application consists of Java Spring API, PostgreSQL database and React front-end.
Rust/PostgreSQL	Encounter Builder GitHub Link Explored Rust and Svelte technologies to develop a web application that dynamically generates balanced tabletop RPG encounters using a Rust API and a Svelte front-end.
Java/Spring	Alerts Notification System GitHub Link This application demonstrates using Spring Framework to create a REST API. It utilizes PostgreSQL and Docker along with Spring JPA for data persistence. MapStruct is used to transform DAO into DTO.
Clojure/React	Subnetting Calculator GitHub Link A subnetting calculator that applies a subnet mask to an IP address and displays the result in both dotted decimal notation and as a string representing the 32-bit binary values. It also determines first and last host, IP class, and number of hosts.

EDUCATION

2023 - 2024	IT Programming Diploma NSCC Two year program in software development with a focus on Java web development. Covered OOP; professional practices, including AGILE and scrum; database fundamentals, including SQL; C/++, JavaScript.
2014 - 2015	Continuing Education Courses in Editing George Brown College Took courses in copy editing, grammar, proofreading, production editing, travel writing.
2004 - 2008	Bachelor's Degree Trent University Specialization in cultural anthropology with a minor in Spanish.

EXPERIENCE

2023 - present	Programming Tutor Nova Scotia Community College <ul style="list-style-type: none">Tutoring in web development including Nodejs, Spring, JavaScript, HTML/CSS.Tutoring in C programming including dynamic memory management, data structures, error handling,Other topics including Linux, Java, and prep for sessions.
2012-2014	Toronto Island Marine Captain <ul style="list-style-type: none">Captain on two small ferries (25-75 passengers) in Toronto Harbour.Responsible for daily maintenance and monitoring of both ferries.Collected money and assisted passengers with boarding.
2011-2014	Mariposa Cruise Lines Engineer <ul style="list-style-type: none">Conducted routine maintenance and repairs on the fleet.Engineer on board cruises responsible for starting, stopping and monitoring main engines and generators.

LANGUAGES

English - native, **Spanish** - intermediate