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EDUCATION

Thompson Rivers University

Bachelor of Science in Computing Science

Kamloops, BC

- Selected Coursework: Object-Oriented Programming, Operating Systems, Algorithms and Data Structures, Web Development, Database Systems, Software Engineering

EXPERIENCE

Software Developer

Dec 2025 – Present

Innomergence Solutions

Vancouver, BC

- Designed and built the EOC Financial Management Tool, a Next.js and TypeScript web application enabling BC local governments and First Nations communities to track emergency response and recovery costs during active Emergency Operations Centre (EOC) incidents and generate EMCR-compliant claim submissions
- Owned the full stack including a Postgres data model with Row Level Security policies, server-side data access logic, a React frontend styled with Tailwind, authentication and middleware, and DOCX export matching the official EMCR layout
- Shipped the Expenditure Authorization Form (EAF) module covering EMCR EOC Form 530, including expenditure-type catalogue with required-EAF indicators, BCEMS Response Goals selection, multi-line cost estimates, and a draft, submitted, approved, denied, amendment status workflow
- Built the cost-entry workflow with required Response and Recovery classification, Task Number tagging, and automatic GST calculation rules per organization type (municipality, First Nations, hospital, school) to ensure claim accuracy
- Wrote unit, integration, and end-to-end tests covering form validation, RLS policies, and incident workflows
- Worked directly with municipal staff in regular feedback sessions, translating their operational pain points and EOC workflow requirements into prioritized product changes that shaped the dashboard, cost-entry, and EAF design

Web Developer

Apr 2024 – Sept 2024

Sente Athletics

Vancouver, BC

- Built and shipped customer-facing features using React, ensuring a smooth and responsive user experience
- Designed and developed Node.js backend endpoints and integrations supporting scalable application workflows and clean service boundaries
- Used Firebase (Auth, Firestore, Cloud Functions) to implement secure authentication, real-time data handling, and serverless logic
- Participated in code reviews, debugged production issues across frontend and backend, and supported agile delivery using Git-based version control and CI-style checks to keep releases frequent, safe, and traceable

PROJECTS

Multithreaded Networking Console Application

- Engineered a Java console application using multithreading and sockets to support communication among multiple concurrent users, with clean concurrency patterns and stable connection handling. **Tools:** Java, Multithreading, Sockets, OOP

Console Checkers Game

- Built an interactive console-based Checkers game in Java with full game logic, player interactions, and a clean text interface. **Tools:** Java, OOP, Game Logic

Library Management System (Database Systems course)

- Designed a normalized relational schema for a library system covering members, books, loans, and fines, wrote complex SQL queries, views, and stored procedures to support borrowing, returns, and overdue reporting. **Tools:** SQL, MySQL, ER Modeling

Student Course Registration System (Software Engineering course)

- Built a Java application for student enrollment, prerequisite checking, and schedule conflict detection, with core classes designed around OOP principles and unit tests written with JUnit. **Tools:** Java, OOP, JUnit

Responsive Personal Website

- Designed a clean, responsive website using HTML and CSS with focus on intuitive user experience. **Tools:** HTML, CSS, Bootstrap, Responsive Design

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, C++, C, C#, SQL, HTML, CSS

Frontend: React, Next.js, Tailwind CSS, Bootstrap

Backend & Databases: Node.js, Postgres, Supabase, Firebase, REST APIs

Testing: Vitest, Playwright, JUnit

Developer Tools: Git, GitHub, Docker, VS Code, IntelliJ IDEA

Concepts: Multi-tenant Architecture, Row Level Security, OOP, RESTful APIs, Agile/Scrum, CI/CD

Certificates: Web Design based on CMS Joomla · IT Essentials · Web Programming Essentials