

Manwinder Singh

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Full Stack Developer

Full Stack Developer with 2+ years building and modernizing production web platforms, including a business-critical booking system processing 200–300 daily transactions across 45 active routes. Core stack: **Vue, Nuxt, Laravel, Ruby on Rails, MySQL/MariaDB, JavaScript, TypeScript, Tailwind CSS**, with working experience in **React, Node.js, Python, PostgreSQL, Firebase**. Focused on end-to-end feature ownership, from database and API design through front-end implementation, including role-based access control, payment workflows, and admin tooling for high-traffic customer-facing systems.

WORK EXPERIENCE

Bravenet Web Services

05/2024 - Present

Full Stack Developer

Parksville, BC

- **Architected** and rebuilt core modules of IslandLinkBus, a production transportation booking platform, using **Nuxt 4, Vue 3, Inertia.js, Laravel 12, MariaDB, Docker, and Twilio**, supporting **200–300 daily bookings across 45 active bus routes** with automated SMS confirmations, reminders, and broadcast messaging
- **Engineered** a 6-tier role-based access control system (sysop, admin, office admin, driver, sprinter, member) in **Laravel/MariaDB**, each with distinct CRUD-level permissions, alongside ghost-login functionality for secure admin impersonation
- **Built** a dynamic route, connection, and pricing engine in **Laravel/MariaDB** supporting cities and stops, intermediate connections, operating schedules, prohibited transfers, multi-hop fares, booking cut-offs, taxes, capacity rules, and configurable volume and early-booking discounts
- **Automated** daily backend workflows in **Laravel**, including a cron job that aggregates per-route operational metrics (distance, passenger volume, cost-per-km) into a route history table, and a manifest system distributing personalized driver schedules and consolidated admin reporting across **9 report types**
- **Developed** reusable front-end components (carousels, FAQs, countdowns, breadcrumbs, tile navigation, calendars) for Bravenet's SiteBlock website builder in **Ruby on Rails**, expanding the visual editor with configurable colour schemes and a new image editor, and resolving production defects across **50+ closed tickets**
- **Implemented** a tiered rewards system (iPoints) in **Laravel/MariaDB** with **Moneris Checkout** integration and an automated recovery check protecting approved transactions when local processing fails, supporting **3 payment paths** (full iPoints, full cash, or split payment) with dynamic reward accrual from route legs and passenger count

Vancouver Island University

09/2023 - 12/2023

Software Developer Internship

Nanaimo, British Columbia, Canada

- **Built** a student registration and dynamic scheduling web application for the VIU CREATE event using **React, Node.js/Express, and MySQL**, automating topic-based presentation slot assignment, with Python scripting to streamline XLS-to-CSV data migration

Natural Resources Canada | Ressources naturelles Canada

05/2023 - 08/2023

Software Developer Internship

Nanaimo, British Columbia, Canada

- **Developed** a cross-platform mobile application in **Flutter and Firebase**, prototyped with FlutterFlow, to replace the government's legacy "Hot2K" tool, digitizing home energy-audit data and photo collection for green energy retrofit assessments

EDUCATION

Diploma in ITAS Web and Mobile Development

09/2022 - 04/2024

Vancouver Island University

AWARDS & SCHOLARSHIPS

Guest Speaker at Vancouver Island University – 2025 and 2026

Vancouver Island University

Dean's Honour List 2022/2023 and 2023/2024

Vancouver Island University

SKILLS

- **Languages:** JavaScript, TypeScript, PHP, Python, Ruby, Java, HTML, CSS, SCSS (Sass)
- **Frameworks:** Vue, Nuxt, Pinia, Laravel, Inertia.js, Ruby on Rails, Node.js, React, Express.js, Next.js, React Native, Expo, Tailwind CSS, Bootstrap
- **Databases:** MySQL, MariaDB, PostgreSQL, Drizzle ORM, Firebase, Relational Design
- **Tools:** Docker, Git, REST APIs, Twilio, Moneris, Memcached
- **Testing & Practice:** PHPUnit, RSpec, API Design, Code Review, Data Structures & Algorithms