

Brendan Lynch

Full Stack Engineer

me@brendanml.com

250-701-5417

Kitchener, ON

brendanml.com

github.com/brendanml

EDUCATION

BSc in Computer Science from the University of Victoria

06/2025

WORK EXPERIENCE

LabsCubed Inc

Full Stack Engineer

06/2025 - 04/2026

Kitchener, ON

- Developed React/HTML/JavaScript/CSS user interfaces, Node/Express/MongoDB backend endpoints, Python microservices, and AWS integrations for Linux-based rubber and plastic testing robots.
- Built a **React** diagnostic dashboard enabling clear visibility into customer machine errors and faster resolution times.
- Refactored **MongoDB** document deletion architecture and **Node** server deletion routes to soft-delete pattern with **AWS** S3 data offloading, which lowered storage cost by 100x and maintained data recoverability.
- Followed Agile practices, collaborating with senior developers to deliver features while managing code with **Git** and contributed tests to **CI/CD** pipelines to streamline deployments.
- Deployed a cloud-based demo of our robot on AWS that increased sales funnel conversion rates by 200%.
- Architected a **Python** prospecting pipeline utilizing **REST APIs**, delivering a 10x speedup to prospecting time.
- Implemented OAuth2 infrastructure behind **nginx** reverse proxy, enabling secure sign-on and authorization.
- Designed a machine settings user interface allowing customers and technicians to update machine configuration.
- Created intuitive motor and actuator calibration wizards eliminating technician error.

Canada Post

Letter Carrier

06/2020 - 09/2023

Victoria, BC

- Delivered mail and parcels across assigned routes while adapting to fluctuating workloads and time constraints.

PROJECTS

swobby.org

- Built React/TailwindCSS/TypeScript frontend and a Supabase/PostgreSQL backend that connected users to facilitate optimal book exchanges based on locality.
- Harnessed Supabase's realtime to enable peer to peer messaging that assisted coordination of meetups.
- Utilized Uber H3 geospatial indexing to efficiently match users with others sharing common books.

CERTIFICATIONS

Full Stack Open by the University of Helsinki

09/2024 - 02/2025

- React, Node, Express, MongoDB, Redux, RR7, useContext, Custom Hooks, Playwright, GraphQL, CI/CD.

SKILLS

- Languages: JavaScript, TypeScript, HTML, CSS, Python, C, C++.
- Frameworks & Libraries: React, Express, TailwindCSS, MaterialUI, Playwright, Vitest.
- Infrastructure & Tools: Node, AWS, Docker, Git, MongoDB, SQL, REST, GraphQL.