

David McNamee

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Languages: Typescript, JavaScript, HTML/CSS, Python, Rust, Java, C++, PHP, Kotlin, Swift, Haskell

WORK EXPERIENCE

Lazer Technologies, Full Stack Engineer

Jan. 2020 - Aug. 2020

Lazer Technologies is a software agency that develops and scales tech projects for enterprise clients.

Projects:

Dealertrack Menu – Cox Automotive

- Created a platform for car dealerships to sell insurance/protection products to customers for one of Canada's largest automotive service companies
- Managed client requirements, sprint tracking, devops, backend & frontend implementation
- Built using Typescript, React, Next.js, Node, PostgreSQL, AWS (Fargate, SES, S3)

Canada United – Royal Bank of Canada

- Major contributor to RBC's web app for promoting local businesses during the covid pandemic
- Contributed to implementation of designs, backend APIs that connect to Google Services, among other core product features
- Built using Typescript, React, PostgreSQL, GCP (Places, Maps), AWS (Cognito, EC2)

Snaptravel, Backend Software Engineer

May 2019 - Aug. 2019

Snaptravel is an online travel agency that offers hotel and flight bookings via AI chatbot.

- Developed new booking and search microservices for connecting to new suppliers, which cut connection building time from 3 weeks to 3 days and reduced platform costs by 20%
- Built, optimized and deployed production-grade backend code to maintain existing backend systems using Python, Flask, PostgreSQL, Redis, SQLAlchemy, AWS (EBS, RDS, Lambda, Cloudwatch), Google Protobuf

Watfly, Controls Engineer

Sep. 2018 - Apr. 2019

Watfly is a UWaterloo student design team turned company based on creating a personal flying device from drone technology.

- Ported experimental control system from Simulink into C++ using the PixHawk API to optimize for speed and energy efficiency
- Assisted with closed feedback loop design for control system and drone calibration

EDUCATION

University of Waterloo Computer Science (BCS) & Wilfrid Laurier

Sep. 2018 - Aug. 2023

University Business Administration (BBA) Double Degree

- 3.7 Term GPA
- Project Lead/mentor for UW Coffee N' Code. Taught React Native to a group of 60 students.
- Finalist team member representing Laurier for the McGill International Portfolio Challenge
 - Top 25 of 108 university teams worldwide
- SHAD Valley Waterloo '17 alumnus – enrichment program for top canadian students in STEM

SIDE PROJECTS & HACKATHONS

- [Peruse](#) – Chrome extension that helps you track sales for your favorite clothing brands
- [Face Mask Site](#) – Site to display face masks. Proceeds go to the Tsung Tsin cultural association
- [Ingredient Simplifier](#) – React native app that simplifies ingredients on food labels by photo
- [Money Map](#) – Web app that uses TD DaVinci API to map bank transaction density across a city
- [Nutt-Shell](#) – Program that uses GCP services to summarize large text blocks with just a picture