

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. I bootstrapped two major projects during my co-op term with them:

Dealertrack Menu – Cox Automotive

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

Canada United – Royal Bank of Canada

- Early contributor to RBC's web app for promoting local businesses during the covid pandemic
- Advanced the implementation of designs, connecting to Google Services, and other core features; resulting in a web app that was able to scale to 200MM impressions and attracted 65 sponsors in its first month
- Used 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.

- Built 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%
- Deployed production-grade backend code to maintain existing backend systems
- Used Python, Flask, PostgreSQL, Redis, SQLAlchemy, AWS (EBS, RDS, Lambda, Cloudwatch)

Watfly, Controls Engineer

Sep. 2018 - Apr. 2019

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

- Advanced both the experimental control system design and calibration, optimizing for speed and energy efficiency

EDUCATION

Candidate for University of Waterloo Computer Science (BCS) & Wilfrid Laurier University Business Administration (BBA) Double Degree

Sep. 2018 - Aug. 2023

- 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