

## TECHNICAL SKILLS

### Languages

JavaScript/Node.js, Python, Go, Ruby, Bash, SQL, HTML, CSS

### Tools & Technologies

Django, React, Rails, Docker, Azure, Unix, PostgreSQL, Git

## WORK EXPERIENCE

### Software Development Consultant

May 2019 - Present

#### reBOOT Canada – Remote (Contract)

Prev. Volunteer Tech Lead

Sep 2017 - Jul 2018

[PYTHON](#), [DJANGO](#), [POSTGRESQL](#), [HEROKU](#), [JAVASCRIPT](#), [RABBITMQ](#), [DEPLOYMENT](#), AND [SECURITY](#)

- Upon successful project launch, transitioned from volunteering to consulting for reBOOT Canada
- Created a donor management platform and automated CRA-compliant tax receipt (~300 hours saved yearly)
- Integrated Celery/RabbitMQ job queue minimizing HTTP request time (Producer/Consumer model)

### Software Developer

Jan - Mar 2020

#### Sumus Property Group – Remote (Part-time)

[NODE.JS](#), [TYPESCRIPT](#), [REACT.JS](#), [WORDPRESS API](#), AND [FIGMA API](#)

- Built a Figma plugin for automating real estate property proposal generation integrating WordPress API

### Software Engineering Coop

Sep - Dec 2019

#### TELUS – Vancouver, BC (Full-time)

[REACT.JS](#), [NODE.JS](#), [OAUTH2 WITH OPENID CONNECT](#), [DEPLOYMENT](#), AND [SECURITY](#)

- Wrote a reusable security library using "stateless" OAuth2 with OIDC for any Node projects
- Optimized JWK key fetch, stateless token validation (~200 ms per request reduced)
- Presented/demoed the library to 40+ people including developers, business analysts, and architects

### Junior Web Developer

Jan - Aug 2018

#### ModernAdvisor (Now part of Guardian Capital Group) – Vancouver, BC (Full-time)

[RUBY ON RAILS](#), [ANGULARJS](#), [PROTRACTOR](#), [MYSQL](#), [AWS EC2](#), AND [DEVOPS](#)

- Worked on user authentication, database schema, AngularJS UI, and Ruby on Rails endpoints
- Developed a new client signup flow, client portfolio reporting tool, and multiple bank account support
- Decreased the failure rate of Protractor tests by 70% via input sanitization and optimizing configurations

## PROJECTS

### Applicant Management Platform | UBC Launch Pad

Sep 2018 - Apr 2019

[GO](#), [DOCKER](#), [REACT.JS](#), [BASH](#), [PROTOCOL BUFFERS](#), AND [SECURITY](#)

[git.io/fhnNM](https://github.com/fhnNM)

- Incorporated Go gRPC and Protobuf serialization for better client-server request pipeline
- Added OTP user verification, and login flow features using security best practices with JWT-protected REST endpoints, secure credential storage, and secure database connection

### Personal Scripting Language | Contributor

May - Jul 2018

[C++](#), [COMPILER](#), AND [VIRTUAL MACHINE](#)

[git.io/fc8pn](https://github.com/fc8pn)

- Developed a dynamic scripting language built from C++ under UBC Launch Pad team

### Course Availability Alerter | Personal

Sep 2017

[PYTHON WITH SCRAPY](#), [BASH](#), AND [WEB SCRAPING](#)

[git.io/fjw2l](https://github.com/fjw2l)

- Created a UBC course status scraper that sends email alerts when seats are open

## EDUCATION

### The University of British Columbia

Sep 2016 - Exp. May 2021

4th Year, B.A. in Computer Science | Minor in Economics

Core Coursework: Internet Networking, Relational Databases, Distributed Systems, Algorithms & Data

Structures, Operating Systems, and Computer Graphics