

## TECHNICAL SKILLS

### Languages

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

### Tools & Technologies

Django, React, Rails, AngularJS, Docker, AWS EC2, Unix, PostgreSQL, Git

## WORK EXPERIENCE

### TELUS: Software Engineering Coop – Vancouver, BC

Sep - Dec 2019

[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

### reBOOT Canada: Software Development Consultant – Remote

May 2019 - Present

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 a consultant for reBOOT Canada
- Automated CRA-compliant tax receipt generation using xhtml2pdf library (~300 hours saved yearly)
- Added infrastructure to run parallel jobs in Celery/RabbitMQ broker to reduce HTTP request time

### ModernAdvisor: Junior Web Developer – Vancouver, BC

Jan - Aug 2018

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

- Worked on user authentication, database schema, AngularJS UI, and Rails backend API implementation
- Developed 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

### Video Streaming Service | Personal

Nov 2018 - Present

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

[PRIVATE REPO](#)

- Developed a video streaming microservice allowing ports to multiple streaming platforms
- Worked on web streaming site using React.js and RTMP nginx server wrapper using Go

### Applicant Management Platform | UBC Launch Pad

Sep 2018 - Apr 2019

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

[git.io/fhnNM](https://git.io/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

### Course Availability Alserter | Personal

Sep 2017

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

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

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

### Continuous Deployment Platform | Contributor

May - Dec 2018

[GO](#), [DOCKER](#), [REACT](#), AND [BASH](#)

[git.io/vNITO](https://git.io/vNITO)

- Worked on new commands for continuous deployment daemon that sets up on any virtual private server

### Personal Scripting Language | Contributor

May - Jul 2018

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

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

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

## EDUCATION

### The University of British Columbia

Sep 2016 - Exp. Dec 2020

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