

# Tom Lee

<https://bwdmonkey.dev> | [seungwon.tom.lee@gmail.com](mailto:seungwon.tom.lee@gmail.com) | 604-652-9366

## 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 2019 - Present

REACT.JS, NODE.JS, GOOGLE KUBERNETES ENGINE (GKE), OAUTH2 WITH OPENID CONNECT, DEPLOYMENT, AND SECURITY

- Writing a shared security library from ground up using OAuth2 with OIDC for cross-team Node.js projects
- Migrating internal web apps to Google Cloud adding CI/CD procedure to the pipeline
- Work on implementing new features and fixing bugs for product reference portals web app using React Hook

### 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](#)

- Developing a video streaming microservice allowing ports to multiple streaming platforms
- Working on web streaming site using React.js and RTMP nginx server wrapper using Golang

### 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