Tom Lee

https://bwdmonkey.dev | seungwon.tom.lee@gmail.com | 604-652-9366

EDUCATION

The University of British Columbia   Sep 2016 - Exp. Dec 2020

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

WORK EXPERIENCE

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 launch, transitioned from volunteering to being hired as a consultant for reBOOT Canada
- Automated CRA-compliant tax receipt generation using xhtml2pdf library (~300 hours saved yearly)
- Developed features such as data migration tool, client donation form, and data visualization tool
- 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
- Incorporated Golang 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 Alerter | Personal   Sep 2017

PYTHON WITH SCRAPY, BASH, AND WEB SCRAPING   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/vNlTO
- 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
- Developed a dynamic scripting language built from C++ under UBC Launch Pad team

TECHNICAL SKILLS

Languages	Go, Ruby, JavaScript, Python, Bash, SQL, HTML, CSS
Tools & Technologies	Rails, React, AngularJS, Docker, Django, AWS EC2, Unix, PostgreSQL, Git