Tom Lee

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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

Sumus Property Group: Software Developer – Remote Part-time
Jan - Mar 2020

NODE.JS, TYPESCRIPT, REACT.JS, WORDPRESS API , AND FIGMA API

- Developed a Figma plugin for automating real estate property proposal generation using WordPress API

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 cut)
- 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)
- Integrated Celery/RabbitMQ broker based job queue and job status polling to reduce HTTP request time

ModernAdvisor: Junior Web Developer – Vancouver, BC
Jan - Aug 2018

(NOW PART OF GUARDIAN CAPITAL GROUP) 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

Applicant Management Platform | UBC Launch Pad
Sep 2018 - Apr 2019

GO, DOCKER, REACT.JS, BASH, PROTOCOL BUFFERS, AND SECURITY
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 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

- Added new commands for continuous deployment daemon that sets up projects 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

EDUCATION

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

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