

TECHNICAL SKILLS

Languages JavaScript/Node.js, Python, Go, Ruby, Java, C, Bash, SQL, HTML, CSS
Tools & Technologies Django, React, Redux, Rails, Docker, Typescript, RabbitMQ, Jest, Azure, AWS, Git

WORK EXPERIENCE

Software Development Consultant May 2019 - Present
reBOOT Canada – Remote (Contract)

PYTHON, DJANGO, POSTGRES SQL, HEROKU, JAVASCRIPT, RABBITMQ, DEPLOYMENT, AND SECURITY

- Created a donor management platform to standardize donations and streamline lifecycle processes
- Led the product from inception to launch transitioning to consultant from volunteer with a team
- Developed CRA-compliant tax receipt PDF generator saving ~500 hours yearly
- Architected RabbitMQ job queue minimizing HTTP request time for computation-heavy jobs

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

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

- Delivered a Figma plugin with WordPress API integration automating real estate acquisition proposals

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 microservices
- Reduced request time by 90% via JWK fetch optimization and stateless token validation caching
- Presented/demoed the library to 40+ 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 migrations, AngularJS UI, and Ruby on Rails endpoints
- Decreased the failure rate of Protractor tests by 70% via input sanitization and optimizing configurations
- Developed a new client signup flow, client portfolio reporting tool, and multiple bank account support

PROJECTS

Applicant Management Platform - pinpoint | UBC Launch Pad Sep 2018 - Apr 2019
GO, DOCKER, REACT.JS, BASH, PROTOCOL BUFFERS, AND SECURITY git.io/fhnNM

- Experimented Go gRPC and Protobuf serialization creating better client-server request pipeline
- Incorporated 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 - durian | Contributor May - Jul 2018
C++, COMPILER, AND VIRTUAL MACHINE git.io/fc8pn

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

Course Availability Alerter - FreeEyeOut | 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

EDUCATION

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

4th Year, B.A. in Computer Science, Minor in Economics | CGPA: 3.76

Core Courseworks: Internet Networking, Relational Databases, Distributed Systems, Algorithms & Data Structures, Software Engineering, Operating Systems, and Computer Graphics