

Professional software engineer with 3+ years of industry experience writing scalable APIs and full-stack web applications. Interested and highly proficient in technologies related to computer security.

KEY LANGUAGES & FRAMEWORKS

Python – Django, Flask, SQLAlchemy. **Javascript** – Node, Angular, React, Kendo UI, Vue, D3. **HTML/CSS** – LESS, SASS.

MySQL, NoSQL – MongoDB, PostgreSQL, MSSQL. **Bash/*nix CLI** – shell scripting, AWS CLI, various scripting tools etc.

Scala. Java – Android SDK. **C++**. **C** – Broadcom WICED Wi-Fi SDK.

WORK EXPERIENCE

Fortinet Inc., Burnaby, BC

MAY 2018 – PRESENT

Full Stack Web Developer

- Implemented key web application features for a new proprietary Fortinet Security Fabric product
- Associated functionalities of the above features include: IP whitelisting, mail server configuration and implementation, monitoring interfaces, Fortinet Fabric API integration, network traffic data aggregation and visualization widgets, data analysis and interpretation tools
- Wrote complex and scalable database queries using SQLAlchemy to supplement frontend data visualization models
- Designed, implemented and deployed a stand-alone library to model complex network topologies and attack vector models, using D3.js and d3-force with Node.js

CO-OP WORK EXPERIENCE

Neurio Technology Inc., Vancouver, BC

MAY 2015 – SEP 2016

Full Stack API / Web Developer

- Implemented backend release features for Neurio's REST API. Wrote endpoints for user energy forecast data, device commissioning, user and location settings, appliance data, and other features
- Wrote scalable database migrations to the Neurio production SQL server
- Developed and maintained core web features such as historic graphs, energy consumption forecast calculations, in-app notifications, and other smaller features for Neurio's web application
- Mentored and onboarded incoming co-op developers and new employees. Facilitated their training through writing and presenting technical documentation of existing Neurio platform features

Test Developer

- Designed, deployed and maintained an end-to-end QA environment that paralleled the production environment
- Wrote test scripts for the Neurio solar savings feature, consumption forecast features, and API unit tests

Qooway Rewards Inc., Richmond, BC

MAY 2014 – AUG 2014

Junior Android Developer

- Developed two major release features: a photo gallery and a user "check-in" protocol for Qooway's consumer app

ACADEMIC PROGRAM

University of British Columbia, Vancouver, BC

2013 – 2018

Bachelor of Applied Science in Computer Engineering (Software Option)

Minor in Asian Language and Culture of Japan

OTHER TECHNICAL EXPERIENCE

AI Food-Ordering Chatbot for Foodee Inc., Vancouver, BC

AUG 2017 – MAY 2018

- **UBC Computer Engineering Capstone Project**

Triolingo @ NWHacks 2018, University of British Columbia

13-14 JAN 2018

- **Entry won the Wolfram Award (Top 30 Finalist)**

quizNET @ Eduhacks 2017, Vancouver Convention Centre

30 SEP-1 OCT 2017

- **Entry won the .TECH API award**