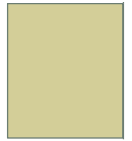


JOSEPH HARRISON-LIM

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<https://linkedin.com/in/joseph-harrison-lim>



Summary

Software Developer with a wide variety of skills in web development, quality engineering, DevOps, and Machine Learning. Deep understanding of many Node.js topics, and a good understanding of many other programming languages. Able to work well with dynamically changing requirements. Amazing work ethic, and never stops studying. Great interpersonal skills and can work well with many teams of various positions.

Experience

Software Developer ▪ January 2019 - Present
RBC ▪ 88 Queen's Quay

Created a compliance reporting tool which utilizes the APIs from internal SCM tools (GitHub, TFS, etc.) and an Elasticsearch database which contains an index of our entire organizations application metadata, and compares and processes the data and emits an excel report which is emailed to execs. Used Jenkins for running tests and written in Python 3. Created a command line tool in Node.js which generates and manages Node.js microservice projects with Docker Compose and VS Code integrations. Volunteered for Kids Code Camp (teaching children how to program with Scratch on MBots), a GitHub learning session for high school students, and a hackathon for co-op students for building Slack integrations.

Technical Systems Analyst Co-op ▪ May 2018 - August 2018
RBC ▪ 88 Queen's Quay

Created a GitHub user management service which integrates with Jira webhooks for the automation of tickets. This service is in production and has served over 500 tickets. Worked on the front end of a web portal in Angular 6 to port over an older portal which no longer worked. Created a user load simulation for Jira using .NET Core 2.1. Worked closely with AppSec to test the integration of NexusIQ from a Jenkins Pipeline and our internal onboarding portal. Tested Contrast Security scanning against the WebGoat application.

Software Developer Analyst Co-op ▪ September 2017 - December 2017
RBC ▪ 88 Queen's Quay

Performed black box e2e testing for the MaaS 360 application on iOS using Appium, Python, and an internal testing framework.

Technical Quality Assurance Analyst Co-op ▪ January 2017 - April 2017
RBC ▪ 88 Queen's Quay

Worked in the Quality Engineering team to research and implement Open Source Service Virtualization tools. Chose Wiremock as the most optimal Service Virtualization tool and created a Java Spring Boot server which had the ability to boot multiple instances of Wiremock and provision them into server farms and scenarios on the fly. This was all controllable via an HTTP API and had the ability to use mutual SSL. I used SonarQube for analyzing my code, and I tested my application with Junit and had approximately 90% test coverage.

Open Source

- Full stack web application using Docker, Typescript, React, Nginx, Postman, and Postgres
 - <https://github.com/jharrilim/stackathon>
- React hook for syncing changes with the Browser's local storage
 - <https://github.com/rehooks/local-storage>
- Full Stack Typescript application making use of GraphQL
 - <https://github.com/jharrilim/downtime>
- Conway's Game of Life
 - <https://github.com/jharrilim/game-of-life>
- Rust Feed-Forward Neural Network implemented with an arena data structure
 - <https://github.com/jharrilim/cybil>
- Javascript shell as a replacement for bash
 - <https://github.com/prowlersh/prowlersh>
- Made contributions to Slack for typing changes and documentation fixes
- Used Travis and Azure Pipelines for Open Source CI
- Hacktoberfest 2018 participant
- Various .NET projects

Education

Centennial College

December 2018 ▪ Software Engineering Technology

- Created APIs and MVC applications using Node.js, C#, and Java
 - <https://github.com/jharrilim/Questionable>
- Created Java EE applications
 - <https://github.com/jharrilim/OpenDiscourse>
- ML Classification problems done in Jupyter and utilized SciKit-Learn, pandas, numpy, and matplotlib
- Built Slack application for managing To-Do lists
 - <https://github.com/Zevere/Chatbot-Calista>
- Made various Angular frontend applications
- Used Seneca.js for Node microservices
- Created web games with JavaScript and did 3D graphics using Three.js, tween, and Phaser
 - <https://jharrilim.github.io/PyramidFractals/>
- Made android applications in Kotlin and Java, and made use of Google Maps API, Room, and RxJava
 - <https://github.com/jharrilim/comp304-assignment2>