Mathusan Selvarajah

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SUMMARY OF QUALIFICATIONS

- 8 months of **Software Test** and 6 months of **Software Development** experience via internships
- Highly **motivated** to obtain new skills and enhance technical knowledge
- Excellent **team work** and **leadership skills** developed through extra-curricular activities
- Strong **communication skills** established from past internship experiences
- Hands on experience **developing on Linux platforms**

TECHNICAL SKILLS

Programming Languages: GO Lang, JAVA, Python, C, BASH, JavaScript, Ruby, Swift, SQL, Turing, Verilog, Kernel Programming in Linux, and proficient in OOP concepts

Cloud: Kubernetes, OpenShift, Docker, Amazon Web Services, and Google Cloud Platform

Test Tools: Jenkins, Travis CI, Selenium, Calabash, Appium, Charles Proxy

Version Control & Project Management Tools: GIT, SVN, JIRA, Pivotal Tracker, Trello, Gerrit

Other: XQuery, XPath, JSON, Putty, Virtual Box, Cygwin, ModelSim, Web Tools (MongoDB, Express JS, Node JS, AJAX, XML, JSON), Basic Cryptography

PROFESSIONAL EXPERIENCE

RED HAT – Toronto ON
Software Engineering Intern   May 2018 – Present
- Contributing to the Kubernetes Project (kubernetes.io) as a part of the Container Storage Team.
- Planning, designing, and developing a certification framework in GO for Kubernetes CSI (Container Storage Interface) Drivers.
- Developing a Fibre Channel driver to allow users to easily use Fibre Channel based volumes in Kubernetes clusters.

CONNECTED LAB – Toronto ON   May 2017 – August 2017
QA Automation Developer
- **Lead Test Engineer** for a 5-star shopping app, speaker interface controller, company website, and internal company projects.
- Automated **Web** Browser Testing using Selenium Web Driver**,** Automated **IOS** Testing using Calabash, and Automated **Android** Testing using Appium.
  - Created a UI Automation Script to automate an Android App simultaneously on three non-rooted Android devices, each on different firmware versions.
- Set up Continuous Integration for projects using Jenkins.
- Identified bugs during Exploratory testing and aided developers in reproducing the problem.

GEMALTO – Ottawa ON   May 2016 – August 2016
    Software Test Engineer
- Developed python scripts to automate a performance testing software tool
- Executed nightly performance tests with various configurations and analyzed the results for any discrepancies
- Produced well formatted excel reports based on test results for PLM analysis
- Setup development machines for engineers

EDUCATION

University of Toronto – St. George Campus   September 2015 – April 2020
- Third year undergraduate Computer Science Specialist
- Pursuing a Specialist in Computer Science with a focus in Scientific Computing
- Department of Computer Science **Undergraduate Ambassador**

    Courses Work:
- Operating Systems, Data Structures & Analysis**,** Software Design, Databases, Web Development, Object Oriented Programming, Software Tools & Systems Programming

PROJECTS

- **UOFT BookShelf Web Application** (Personal project)
    - A marketplace for UOFT students to buy and sell their textbooks. Made to simplify textbook shopping for students and help them save time
    - Integrated Google Plus Login to be able to differentiate one student from another, and give them access to create, update, delete, and edit their advertisements
    - Some backend tools that were used include: NodeJS, ExpressJS, MongoDB, and AJAX
- **Hackathon Finder IOS Application** (Personal project)
    - IOS Application that helps the user find upcoming hackathons, while also providing detailed information on any future hackathon
    - Application was developed using Swift 3 and utilizes the Hackalist API
- **Bourne-Again Shell (BASH) simulation** (School project)
    - Created a simulation of the BASH Shell, which was able manipulate a mock file system using Object Oriented Design in JAVA
    - Development was done as a team, using Scrum Agile Development process and SVN version control for project management