

# Mathusan Selvarajah

## SUMMARY OF QUALIFICATIONS

- Highly **motivated** to obtain new skills and enhance technical knowledge
- Excellent **team work** and **leadership skills** developed through extra-curricular activities
- Strong **communication skills** obtained as a Tutor for High-school students
- Hands on experience **developing on Linux platforms**

## TECHNICAL SKILLS

**Programming Languages:** JAVA, Python, C, BASH, JavaScript, Ruby, Swift, SQL, Turing, Verilog

**Test Tools:** Jenkins, Selenium, Calabash, Appium, Charles Proxy

**IDEs:** Eclipse, Pycharm, Android Studio, XCode, PostgreSQL, Quartus

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

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

## PROFESSIONAL EXPERIENCE

**CONNECTED LAB** – (Toronto ON, May 2017 – Present)

### 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 an Automation Script that solves the 2048 Android App, simultaneously on three non-rooted Android devices, which have different versions of android firmware.
- Set up Continuous Integration for projects using Jenkins
- Worked with developers, to fix bugs found during Exploratory testing, and to implement suggested additional features.

**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
- Attended daily Scrum meetings
- Setup development machines for engineers

## EDUCATION

**University of Toronto – St. George Campus** – (September 2015 – Present)

- Third year Undergraduate Student
- Pursuing a specialist degree in Computer Science

### **Relevant Courses:**

- Calculus, Linear Algebra, and Mathematical Expression and Reasoning for Computer Science
- Software Design, Software Tools and Systems Programming, and Intro to Theory of Computation
- Introduction to Databases, Programming on the Web, Data Structures and Analysis.

### **PROJECTS (<https://github.com/mathu97>)**

- **Personal Website** – [www.mathusan.me](http://www.mathusan.me) (Personal project - In Progress)
  - Used JavaScript, CSS, and HTML to develop a Web Portfolio from scratch
- **Hackathon Finder IOS Application** (Personal project – In Progress)
  - IOS Application that finds Hackathons close to you and gives you information any selected Hackathon. The app is being developed using SWIFT 3, and 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 the Scrum Agile Development process and SVN version control for project management.

### **HACKATHONS**

- **Hack The Valley - 2017 (Toronto, ON)**
  - Created a Model Android App called ParkTheValley, which models a service application that allows users to rent their parking spaces. Used Google's Firebase, Maps, and Login APIs, to implement the basic features.

### **AWARDS AND ACCOMPLISHMENTS**

- Computer Science Award (Middlefield Collegiate Institute, May 2013)
- Honour Roll (Middlefield Collegiate Institute, 2011 – 2015)
- Ontario Scholar – 2015
- President's Entrance Scholarship (University of Toronto, 2015)

### **REFERENCES**

Available upon request.