JUSTIN LICARI

licarijd@mcmaster.ca   www.linkedin.com/in/justin-licari-08037ab0/   https://github.com/licarijd

Highlights of Qualifications

· **16 months of automation development experience with Kobo** has given me the problem solving skills necessary to develop complex software and hardware systems. Created automation tools to test EPD hardware and software, using a combination of CS, electrical, and mechanical engineering. Languages/technologies includes **Java, Curl, AutoIT, Python, C, C++, bash scripting, Selenium, Selendroid (Android), XCode (iOS) and Sikuli**. Hardware was tested using Arduino electronics, Microservo motors, breadboards, and relays to create bots. I am very comfortable designing full systems, and love to learn new languages/technologies.

· **4 months full stack web development experience with EzzSec Inc, and 4 months front end web development experience with Gardenia Corp**. My preferred stack is **Node, Angular** or **React, Firebase,** and **Express**. I'm also familiar with alternatives to these services, ie. PHP to create a server. Experienced using **web APIs**, such as **Google Maps, Stripe and Mailgun**.

· **8 months experience as a Software Developer** working for a group of researchers at **McMaster University** and the **University of Ontario Institute of Technology (UOIT),** creating a software-based intervention program for children with Autism Spectrum Disorders (ASD).

· **Freelance software developer** - extensive **mobile dev** experience creating Android and iOS apps with **Android Studio, XCode and mobile APIs**.

Education:
BASc, Computer Science with Co-op, McMaster University (year 4).

Skills
· Proficient with **UNIX** and shell programming (bash scripting, makefiles, compilers).
· Web app development (**Javascript, HTML, CSS**), **REST APIs**, **HTTP, CORS, Ajax, jQuery**.
· Mobile app development (**Android Studio, XCode**).
· Proficient with object oriented programming (**Java, Python, C#, Swift**).
· Proficient with using **Virtual devices (VirtualBox), emulators, and Git** for version control.
· Others: **C, C++**, Jython (Sikuli), **Curl**, AutoIT, Haskell. Proficient with **SQL (MySQL)**.
· Cross-platform development and automation (**all mobile, Windows, Mac, Linux, EPD, web**).· **Hosting sites** (**Heroku**) and **SEO** (**Google Trends**, Analytics, metadata/content optimization).
· **Agile/scrum methodology**, **Jira**, **Confluence**, **regression**, **user acceptance testing**.

Experience

May 2018 – September 2018
Full Stack Web Developer, EzzSec Inc
· Developed a website for one of EzzSec's products, SEC Coin, with NodeJS and Firebase. The server was created using ExpressJS, and the site was hosted on Heroku.

January 2018 – April 2018
Front End Web Developer, Gardenia Corp
· Developed a Google Maps based social media app with ReactJS. Co-ordinated with Gardenia's UI/UX team via Slack, Invision and Zeplin.

May 2016 – September 2017
Automation Software Developer, Rakuten Kobo
· Developing automation frameworks at one of the world's largest and most innovative eReading companies, I've had the opportunity to create hardware and software systems. Hardware was tested using bots which I created to perform physical actions on devices. Software automation captured data from device screens, and fed it into an analysis suite where unit testing was done. The system had 3 components: hardware/software automation, testing logic, and server management. Also automated Kobo's Jenkins test server, iOS app, and Desktop apps.

May 2015 – January 2016
Software Developer, University of Ontario Institute of Technology
· Developed a program to improve cognitive function for children with ASD in C#. Results were fed into an Excel database, and games would constantly update and change based on results.

Full Stack Web Developer and Mobile (Android and iOS) Developer
· I am a freelance mobile and web app developer, and help startups launch their products.
Web App for **Array Strategies**: https://array-strategies-training-docs.herokuapp.com/login
Android App for **All-Ports**: https://github.com/licarijd/all-ports-demo/
Web App for **All-Ports**: https://github.com/licarijd/all-ports-web-portal

Extracurricular Activities
McMaster Engineering Big Ideas Contest Winner 2018, **McMaster Engineering**
· Had the opportunity to visit Silicon Valley and network at some of the world's most prominent tech firms, including Google, Facebook, Apple, and Tesla after winning McMaster's Big Ideas contest. My winning submission proposed a software platform to help engineering students gain relevant, temporary work experience before they graduate by matching them with startups.