Daneyal Siddiqui

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EDUCATION

University of Ottawa   **December 2019**
B.A.Sc. Software Engineering (COOP)   *Ottawa, ON*
- 4th year Student
- Working on Software (**ROS** and **Python** in **Linux**) for Autonomous Boat in uOttawa robotics team.
- Represented uOttawa in 2018 **Ontario Engineering Competition** for Programming Challenge.

SKILLS & INTERESTS

- **Skills:** Python, Java, Cypress, JMeter, Selenium, Katalon, Elasticsearch, Logstash, Kibana, Jenkins, REST APIs, JavaScript, HTML, CSS, SQL, XML/JSON, Object Oriented Programming, SDLC, Linux, Windows, Data Mapping, Test Automation, Requirement Gathering, Microsoft Office (Excel, Word, Visio)
- **Relevant Courses:** Design & Analysis of Algorithms, Data Structures, Databases I, Software Construction, Software Quality Assurance, Operating Systems, Software Engineering, User Interfaces, Software Requirements

WORK EXPERIENCE

Aetonix Systems   **May 2018 – Aug 2018**
Software Developer   *Ottawa, ON*
- Integrated **Cypress.io** with **React Native** application to create a **JavaScript** test automation framework for **End-to-End testing** for remote health care application.
- Performed manual QA testing(cross-platform), managed bug life cycle and release iterations using **GitHub**.
- Used git pre-commit hooks to integrate **ESLint** for automatically catching syntax error and other minor bugs.
- Applied knowledge gained from analysis and design of user interfaces course to improve UI/UX of the application.

IBM Canada   **Sept 2017 – Dec 2017**
Test Automation Engineer   *Ottawa, ON*
- Developed end to end centralized log analysis solution for Performance and Stability testing using **ELK (Elasticsearch, Logstash, Kibana)** along with integrating **JMeter** tests for real time analysis on the Cognos Analytics performance team.
- Created customized JMeter listener in **Java** so JMeter data can be analyzed and filtered in ELK**.**
- Improved automation by creating **Jenkins** jobs and bash scripts to run JMeter stability test cases in a synchronized manner and perform Elasticsearch maintenance.

Environment and Climate Change Canada   **Jan 2017 – April 2017**
Programmer   *Gatineau, QC*
- Developed and implemented data migration and conversion between EC Data Catalogue and Open Data Registry (**XML to JSON**) module with **FME workbench** and REST API to enhance **data extraction, transformation, and loading (ETL)** process.
- Successfully developed automated test cases using **Selenium** and **Python** which resulted in efficient testing of ECCC Data Catalogue.
- Improved **bulk data publishing** by writing Python scripts that reduced human effort.

Global Advantage Consulting Inc.   **June 2016 – Sept 2016**
Business Analyst   *Ottawa, ON*
- Created ecosystem maps in **Microsoft Visio** which analyzed the current state of the clean technology industry in Canada and individually created a map of the renewable energy landscape of Canada.
- Used functions such as sumif, vlookup, pivot tables etc. in **Excel** to filter data and perform analytics.
- Provided **impact analysis** for process improvements, system modifications and or data modifications.