# Daneyal Siddiqui

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## EDUCATION

| University of Ottawa | Graduation-December 2019 |
|---|---|
| *B.A.Sc. Software Engineering (COOP)* | *Ottawa, ON* |

- **Capstone Project:** Developed a data mining framework that leverages **Machine Learning** for Malware Classification with **Python, Apache Spark** and **Google Cloud Platform.**
- Worked on Software (**ROS** and **Python** in **Linux**) for Autonomous Boat in uOttawa robotics team.

## SKILLS

**Languages:** Python, Java, JavaScript/HTML/CSS

**Data Science:** SQL, Data Mining, Spark, Machine Learning, Pandas, Elasticsearch, Logstash, Kibana, Grafana

**Automation**: Selenium, Cypress, Jenkins, JMeter, Linux, Windows

## WORK EXPERIENCE

| Kinaxis | May 2019 – Aug 2019 |
|---|---|
| *SaaS Performance Analyst* | *Ottawa, ON* |

- Collected data using **Python** scripts to store in a **PostgreSQL** database which was used to create **Grafana** reporting dashboard for cloud application performance metrics.
- Analyzed and forecasted SaaS performance KPIs using **Prophet** and **Python** for anomaly detection and monitoring.
- Collaborated with solution analysts and SaaS infrastructure team to perform root cause analysis and solve customer issues.

| Aetonix | 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**.
- 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 data modifications.