JOSEPH ABONASARA

Sofware Engineering intern

📞 613-413-2132   @ jabon028@uottawa.ca   🔗 **https://www.linkedin.com/in/josephsa/**
📍 Ottawa, Canada

EXPERIENCE

Software Developer Intern

Nokia

📅 05/2023   📍 Ottawa, Canada

- Developed automated tests using Java, REST, and Cucumber
- Gained experience using REST, Postman, JUnit and Kubernetes

Teaching Assistant

University of Ottawa

📅 01/2023   📍 Ottawa, Canada

- TA and lab instructor for Operating Systems (CSI 3131) and Quality Assurance Testing (SEG 3503)

Software Engineering Intern

Twitter

📅 05/2022 - 08/2022   📍 Remote

- Developed a one-step automation tool for cluster creation automation using Bash, Kubernetes, and Kustomize
- Wrote cql commands for fetching all cluster metrics and updated the cluster dashboards using Python
- Deployed production clusters using workflow
- Integrated Splunk logging to CockroachDB clusters

Software Developer CO-OP

Solace

📅 08/2021 - 12/2021   📍 Ottawa, Canada

- Gained experience in Software Development and Testing
- Improved Solace Messaging APIs (i.e. Go, C# and Python)
- Developed software in Java, Python, Go, C# and C++
- Gained experience running automation tests against the Solace framework through TCL scripts

IT Developer CO-OP

Canada Revenue Agency

📅 05/2020 - 08/2021   📍 Ottawa, Canada

- Developed Java programs that automate tasks completed daily within the Amendments team to improve time efficiency
- Gained experience with COBOL, XML, JCL, SQL, Mainframe, DB2, VSAM, Batch Processing & Scheduling and CICS

SKILLS

Software Engineering skills

Java	Python	Go	C / C#	Kubernetes	SQL

DevOps	JavaScript	Git	Linux	Algorithms

Interpersonal skills

Teamwork	Creative Problem Solving

Time Management	Leadership	Communication

EDUCATION

BASc, Software Engineering

University of Ottawa

GPA **4.0** / 4.0

📅 09/2019 - Present

- Dean's Honour List
- Attended uOttaHack 4

PROJECTS

Cluster Creation Automation

📅 07/2022 - 08/2022

Developed a one-step automation tool for cluster creation automation. This was developed using Bash, Kubernetes, and Kustomize. Overall, the automation tool simplified 10 minutes of manual work for creating a multi-region cluster to just a few seconds.

Rich Metrics and Splunk

📅 05/2022 - 08/2022

Migrated CockroachDB clusters to use Rich Metrics and Splunk logging. This benefits the newSQL team as they no longer need to manually create docker images or manually look for logs within a pod as they can now use fast advanced logging with Splunk.

AutomaticYearlyConversion

📅 02/2021 - 08/2021

Developed a Java program that converts all mainframe programs from 1 year to another, which helped the Amendments team at the Canada Revenue Agency save weeks of work.

XMLParser

📅 01/2021 - 08/2021

Took initiative to create a Java application that can parse and verify all the different types of XML documents based on their XSD file that is now used daily at the Canada Revenue Agency.

MCIntelligente

📅 09/2020 - 02/2021

Developed a chrome extension to associate keywords to specific websites, pdf's or any other type of documents. This was done to help consumers that have a hard time remembering keywords and where they were located.

Dealish

📅 09/2019 - 12/2019

Achieved first place in a software engineering competition for best marketing website and pitch. The project was developed using HTML, CSS and JavaScript.