Anandarajah **Yathuvaran**

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Experience

Nokia
May 2021 - August 2021
IT Developer (Co-op)
Ottawa, Ontario

- Leveraged the Google Cloud Client Libraries for Python to automate the manual verification of network firewall and load balancer configuration settings, saving the cloud networking team 2 hours per day
- Automated manual network firewall and load balancer testing procedures by developing scripts in Python, reducing the testing period from 5+ days to 7 minutes
- Developed a multithreaded program using Python, to ping and verify interconnectivity between multiple network firewall VM's concurrently, to monitor latency and packet loss across various regions
- Optimized the network firewall change deployment process by developing a script that filters out duplicate change requests, and merges them before being applied by Terraform, improving the efficiency of the deployment process by 95%
- Created an application to map Nokia's server IP addresses to subnetworks for various server locations, using several Python packages such as pandas, NumPy and Tkinter; shortening the time to generate such data from 8+ hours to 3 minutes

Royal Bank of Canada
May 2020 - October 2020
Full Stack Developer (Co-op)
Toronto, Ontario

- Developed the TechScape web application using Java Spring Boot, JPA, Hibernate, and RESTful web services. Enabling development teams and solution designers to find, understand, and reuse RBC technology and deployment patterns, improving development efficiency by 35%
- Utilized Redux to manage the application state and applied middleware libraries such as Redux-Saga
- Designed and constructed intuitive user interfaces and responsive web pages, using frameworks such as React and Bootstrap, whilst following the RBC design patterns and guidelines
- Created and maintained architecture of RESTful API using Spring MVC, Spring IOC and Spring Transactions
- Configured the Liquibase changelog XML to deploy database schema changes and modifications for the TechScape web application
- Verified and resolved accessibility issues on TechScape by using auditing tools such as Axe and Lighthouse to perform full-coverage accessibility audits

Royal Bank of Canada
January 2020 - April 2020
Technical Systems Analyst (Co-op)
Toronto, Ontario

- Created/Updated the Enterprise Digital Accessibility team's web applications, tools and documentation using HTML, CSS and JavaScript
- Designed, developed, and refactored web applications to comply with RBC Digital Accessibility guidelines
- Implemented search engine functionality on the TechScape web application using Elasticsearch, increasing website traffic by 40%
- Utilized React to design and develop the user interface and front-end of the TechScape web application
- Programmed server-side scripts using Node.js and Express to develop the back-end of the TechScape web application
- Developed and maintained Selenium WebDriver (JUnit) automated test cases for functional and regression testing of the front-end of TechScape

Eaton Corporation
May 2019 - August 2019
Marketing Intern
Milton, Ontario

- Created digital marketing content, commercial catalogs, sales aides as well as other information documents using Adobe proprietary software
- Programmed algorithms in VBA to maintain and support pricing systems on Microsoft Excel
- Successfully interpreted shipment data to draw conclusions for managerial action and strategy
- Utilized Microsoft Power BI to present data to the marketing team to improve operations and aid in profit planning
- Built dashboards to visualize important trends and goals for decision making

Skills

Programming Languages:	Java, C#, C, C++, Python, JavaScript, HTML/CSS, SQL, PHP, VBA
Frameworks & Cloud Technologies:	React, Redux, Spring Boot, Node.js, Express, Google Cloud Platform, Terraform, Elasticsearch, Jenkins, Git
Databases:	PostgreSQL, MySQL, MongoDB
Testing:	JUnit, pytest, Selenium

Education

Carleton University
September 2017 - April 2022
Bachelor of Engineering - Software Engineering
Ottawa, Ontario
GPA: 3.4/4.0