

# Harrison U-Ebili

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## EXPERIENCE

### Rogers Communications — Senior Software Developer

August 2021 - Present

- Responsible for building and maintaining microservices to integrate with third party vendors
- Migrated a monolith legacy network reporting tool to a microservice architecture with restful endpoints and testable modules.
- Designed and implemented internal APIs to interact with Microsoft Graph API. This included migrating POP3 to Graph API.
- Automated bearer token refresh for multiple projects which eliminated the need for persistent storage.
- Deployed publicly accessible API's via Azure with security policies in place.
- Built an internal task scheduler powered by NodeJS and Express to address issues with Windows Task Scheduler.
- Created various python scripts to automate network troubleshooting. This decreased manual troubleshooting by 65% over a period of 6 months.
- Designed and implemented an authentication layer in .NET core to restrict access for publicly accessible endpoints.
- Implemented .NET modules to integrate with various ticketing systems. [Cherwell,ServiceNow]
- Created CI/CD pipelines in Azure DevOps to automate release for various internal artifacts.

### Rogers Communications — Software Developer

March 2021 - August 2021

- Contributed to critical decisions for internal automation tasks.
- Created multiple SQL stored procedures for various network reports
- Redesigned and implemented an internal reporting tool for interactivity. (API ecosystem [C#, React])
- Refactored and extracted various components from an internal .NET application and re-implemented features using a microservice architecture.
- Bundled internal company tools as Artifacts in Azure DevOps.
- Designed and implemented ETL pipelines for 6 departments. Created a dashboard to visualize organization KPIs..

### Sheridan Center for Mobile Innovation — Software Developer

May 2019 - March 2021

- Designed and implemented a scalable editor tool to visualize and modify electromyography data, using React, Highchart.js and NodeJS
- Implemented functionality to analyze raw electromyography data
- Developed and implemented an embedded system to read and write electromyography data using Nodejs serialport library
- Created a desktop application to transmit Electromyography data using serial ports
- Identified and provided a working solution to latency issues experienced with an Arduino

## SKILLS

**Languages:** JavaScript, C#, Python, Java.

**Frameworks:** .NET,React,NodeJS

**Database:**PostgreSQL,SQL Server, Google Cloud SQL,MySQL

## Highlights of Qualifications

**Migrated a legacy ticketing system to a modern microservice architecture. (.NET Core, SQL, React)**

**Designed and Implemented various ETL pipelines for 6 different departments at Rogers.**

**Created a dashboard to visualize organization KPIs. Integrated various data sources [Azure Boards, MSSQL server, Python scripts, SFTP sources]**

**Deployed production application, designed and implemented in 4 months. (iOS and Web application).**

**Fixed Latency issue using node.js serialport.**

**Implemented data pipelines, visualizations in Google Cloud Platform using python and Jupyter notebook.**

project (written in C++)

## Labatt Breweries of Canada — Integration Developer

April 2020 - January 2021

- Designed integration solutions using the **MuleSoft Anypoint** platform
- Implemented **MuleSoft APIs** using API-led design patterns to integrate with third-party systems
- Built extensible data acquisition and integration solutions to meet the functional and non-functional requirements of the business
- Implemented processes and logic to extract, transform and distribute data across one or more data stores from a wide variety of sources
- Implemented data flows using AWS microservices (**Node.js**, **SQS**, **Lambda**, **SES**)

## Maple Leaf Foods — Software Developer

Jan 2019 - April 2019

- Improved existing company **iOS** application
- Eliminated application crashes across offline and online modes
- Implemented modules to persist application data offline on any **iOS** device.
- Designed and implemented a **REST API** to interact with an existing **MVC (C#)** project

## Infostructure Technology Inc — Software Developer

May 2018 - Jan 2020

- Created web views for the business application using **ASP.NET Razor**, **Microsoft SQL**, and **Angular.js**
- Implemented **.NET** classes for the Business logic layer using **C#**
- Updated Data Access layer using entity framework to connect, retrieve and update data from an **AzureSQL** database
- Fixed bugs and enhanced application performance while optimizing front end rendering for various web browsers

## EDUCATION

### Sheridan College, Oakville — BSc Computer Science (Honors)

Completed Degree with Honors

## About Me

I am a motivated individual who enjoys solving technical challenges and learning new technologies.

I enjoy writing clean code and providing constructive feedback in peer reviews.

Experienced in object-oriented programming; developing; testing and debugging.

Successful working in both team and self-directed settings

I respond effectively to changing situations with stable and efficient solutions.

## Projects

### Instagram Insights

A JavaScript application to pull Instagram metrics such as follower count, reach, etc. on a set interval. This project utilizes Facebook's Graph API, Implemented with Node.js while utilizing Sheets API.

### Telegram signal bot

This is an ongoing project which combines Node.js and Python. The purpose is to listen for price changes using crypto.com API. A message is sent when the desired threshold is reached. A buy/sell transaction is issued based on the user's input.