

# Michael Yohannes

## Software Engineer

An ambitious software engineer with experience in fullstack development, devops, infrastructure, and cloud computing.

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## WORK EXPERIENCE

### Devops/Backend Engineer CIBC (Capital Markets)

11/2022 - Present

#### Achievements/Tasks

- Lead the modernization of legacy services by upgrading them to .NET 6, creating yaml pipelines, and implementing them as durable azure functions which vastly improved performance and maintenance costs.
- Created an internal library for integrating with Azure resources (azure key vault, azure blob storage, azure sql) that is used across the organization, enabling rapid cloud migration.
- Decoupled 24 microservices by pushing common .NET projects into azure artifacts, and creating yaml pipelines with NuGet versioning, greatly decreasing potential production issues.
- Migrated outdated SSIS (ETL) applications to ADF, or azure VMs, further modernizing the organization.
- Troubleshooted production issues of real time, and batch processes by analyzing solace topics/queues, SSIS packages, application logs, and config files.
- Lead deployment instruction reviews for several teams, to improve the organizations production deployment process.

### Fullstack Engineer 2 TJX Companies

08/2021 - 11/2022

#### Achievements/Tasks

- Designed and implemented a UI in .NET Blazor, hosted via Azure App service, which allowed management to modify key parameters in an azure cosmos DB.
- Modernized a legacy backend application through infrastructure as code (bicep) to create an Azure SQL Server, Azure SQL Database, and Azure Data Factory (ETL) resources to easily deploy our applications to any environment.
- Recreated API's (C#) in the cloud via Azure functions, to create savings in cost, maintenance time, and improve alerting and monitoring.
- Developed composable CI/CD pipelines (yaml) for database, API, and client applications, vastly improving maintainability.
- Collaborated with project owners, application architects, security principals, and upper management in order to produce solutions.

### Fullstack Engineer (Capstone Project) McMaster University

09/2020 - 04/2021

#### Achievements/Tasks

- Implemented a grade management system for faculty members as a front end (React.js) application, which integrated with a GraphQL API.

## SKILLS

Visual Studio

C#

.NET Core

.NET Framework

.NET Blazor

PowerShell

SQL

SQL Server

SSIS

HTML

CSS

Javascript

React.js

Azure Devops (ADO)

Infrastructure As Code

ARM Templates

Bicep

Azure Functions

Azure Cosmos DB

Azure SQL

Azure Blob Storage

Github

Git

TFVC

Continuous Integration (CI)

Continuous Delivery (CD)

API Development

Entity Framework Core

## EDUCATION

### Bachelor Of Science, Computer Science (Co-op)

McMaster University

09/2019 - 04/2021

## ACHIEVEMENTS

### Deans Honor List

Awarded deans honor list every year of education

### Certified SAFe 5 Practitioner

Voluntarily obtained SAFe for teams certification

### Lean Six Sigma Yellow Belt

Entered six sigma yellow belt project based course, final project was a custom Resharper config that maintained developer coding standards

### Promotion to Engineer 2 (TJX)

Promoted to engineer 2 in 9 months due to constantly adding value, self improvement, and knowledge acquisition

### Technical Documentation

Documented hard to understand applications from a systems level, increasing the orgs understanding and ability to rapidly iterate

### Communication

Effectively communicated with different stake holders including managers, directors, developers, business analysts, and release management