

Employment

Software Engineer	Microsoft	March 2022 – February 2023
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- Implement a follow topic system that increased user engagement for topics on MSN by 27% using web components and .NET.
- Create a "Topics for You" page that would show a custom feed based off of user preference increasing ad revenue for topics pages by 2.4% using web components and .NET.
- Run experiments on new features by analyzing user behavior, monetization impact, and performance metrics through Azure Control Tower.
- Part of the livesite excellence crew which improved time to resolution of livesites by 60% by providing trainings, troubleshooting guides and queries enabling on call members to be better equipped to handle livesites.
- Work with designers to deliver a functional and complete user experience for multiple user experiences on MSN.
- Investigate livesite related issues using Azure cloud monitoring services such as Grafana, Kusto, and Titan
- Modify and build API responses to support new feature requests in MSN with .NET.

Software Engineer	Canadian Broadcasting Corporation	April 2019 – March 2022
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- Implement microservices to process thousands of media media files per day using Python, RabbitMQ, and Celery.
- Create a pipeline to convert 5 petabytes of physical media to the specified digital formats using Python, RabbitMQ, and Celery.
- Build and maintain several internal media web applications using Flask, .Net, Angular, and MongoDB.
- Integrated a continuous deployment system for Montreal's broadcasting network of audio and video devices using Ansible, Python, and Jenkins.
- Create workflows that modify and distribute thousands of media files per day to various internal applications using Python.
- Use AWS to run microservices (EC2) and store store media files (S3)

DevOps Intern	CBC	April 2018– Sept 2018
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- Deploy and configure 500 new embrionix devices into production using Python and Netbox.
- Modify thousands of existing audio devices using Jenkins, Ansible, and Python.

Education

Montreal QC	Concordia University	Sep 2015 – April 2019
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- Bachelor of Engineering – Software Engineering

Technical Experience

Projects

- **Quality Doc** *.NET, Angular, SQL*. Built a real-time web application for PDF review, management, version control, and statistical analysis for documents within a project or a team.
- **Fantasy Hockey** *Golang, SQL, React*. Built a fantasy hockey web app that manipulates player data to determine their fantasy hockey score based off a users personal league settings.

Languages, Technologies, Methodologies

- Python; .NET; React; Angular; Golang; HTML; CSS
- Ansible; Jenkins; MongoDB; SQL; RabbitMQ; Celery, AWS, Azure
- English (Mother Tongue), French (Fluent)