

# Dylan Batista

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## EDUCATION

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### Polytechnique Montréal

*Bachelor of Engineering in Software Engineering*

Montréal, QC

*Sep. 2018 – May 2023*

## EXPERIENCE

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### Software Engineer

*Bell Canada*

May 2023 – Present

*Montréal, QC*

- Development of a job scheduling app using React, Node.js, Express.js & MongoDB
- Developed a TCP/UDP-based application in C for efficient communication and data transmission, optimizing performance for low latency and reliability
- Developed bash scripts used on Linux based systems, including RHEL8, Ubuntu & BusyBox
- Wrote Ansible scripts to monitor & manage Linux systems
- Containerized and deployed solutions to improve scalability and portability of existing systems solutions using Docker, K8 & OpenShift
- Designed and deployed cloud-based apps using GCP, improving scalability and reliability
- Automated deployment processes with Cloud Build and Terraform, improving deployment time and costs
- Wrote SQL queries to find root cause issues to improve network performance issues
- Wrote Python scripts to ingest, parse, format & analyze large datasets
- Wrote Python scripts to scrape data & automate tasks through Selenium

### Data Analyst

*Bell Canada*

May 2022 – Oct. 2022

*Montréal, QC*

- Wrote SQL queries optimized for large dataset to find root causes of customer impacting network issues
- Wrote Python scripts to parse, format & visualize large datasets
- Created dashboards to visualize large datasets for analyses to find issues & pattern, and to predict & evaluate impacts of network changes using MicroStrategy, Splunk & Excel
- Configured & deployed network changes on Linux systems to fix root causes found during analyses

### Software Automation Engineer

*Bell Canada*

Sep. 2020 – Sep. 2021

*Montréal, QC*

- Automated manual tasks on devices using Ruby, Selenium & Appium
- Developed a REST API used for file transfers between containerized environments and remote servers securely using Node.js, Express.js & Docker
- Developed a data visualization tool to create live charts & graphs using Python, MongoDB & React

## PROJECTS

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### Reddit posts to YouTube shorts | *Python, Selenium, MongoDB, Docker, Firebase*

Mar. 2023 – Apr. 2023

- Developed a system to scrape the most popular Reddit posts of the day and post YouTube shorts content based on these posts
- System automatically scraped the most popular posts of the day using Selenium & cron jobs
- Implemented a way for the system to generate text-to-speech audio from the Reddit post and edit it over stock footage using PyFFmpeg & Google Cloud Text-to-Speech
- Videos were stored on Firebase while waiting for the automated upload to YouTube to happen

## TECHNICAL SKILLS

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**Languages:** Python, SQL (Trino), TypeScript, JavaScript, HTML/CSS, Bash, C/C++, Ruby

**Frameworks:** React, Node.js, Express.js, JUnit, Selenium, Appium

**Developer Tools:** Git, Docker, MongoDB, Kubernetes, OpenShift, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Linux

**Libraries:** pandas, NumPy, Matplotlib