Dylan Batista

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EDUCATION

Polytechnique Montréal   Montréal, QC
Bachelor of Engineering in Software Engineering   *Sep. 2018 – May 2023*

EXPERIENCE

Software Engineer   May 2023 – Present
Bell Canada   *Montréal, QC*
- Development of a job scheduling app using React, Node.js, Express.js & MongoDB
- Containerized and deployed solutions to improve scalability and portability of existing systems solutions using Docker, K8 & OpenShift
- Developed bash scripts used on Linux based systems, including RHEL8, Ubuntu & BusyBox
- Wrote Ansible scripts to monitor & manage Linux systems
- Designed and deployed cloud-based apps using GCP, improving scalability and reliability to provide support to projects following CRTC regulations
- 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 from Hadoop & Kafka
- Wrote Python scripts to scrape data & automate tasks through Selenium
- Mentored and coached interns, providing guidance to enhance their skills, support their learning, and ensure successful, on time, task completion

Data Analyst   May 2022 – Oct. 2022
Bell Canada   *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 from Hadoop, BigQuery & Kafka
- 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   Sep. 2020 – Sep. 2021
Bell Canada   *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

Reddit to YouTube shorts | *Python, Selenium, MongoDB, Docker, GCP, 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

Languages: Python, SQL, TypeScript, JavaScript, HTML/CSS, Bash
Frameworks: React, Node.js, Express.js, Kafka, Hadoop, JUnit, Selenium, Appium
Datastores: MongoDB, Firebase, BigQuery, Postgres, Trino, Hive
Developer Tools: Git, Docker, Kubernetes, OpenShift, Argo, Google Cloud Platform, VS Code, Linux
Libraries: pandas, NumPy, Matplotlib, Plotly