Dylan Batista

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EDUCATION

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

EXPERIENCE

Software Developer   May 2023 – Present
Bell Canada   *Montréal, QC*
- Spearheaded the development of a high-availability job scheduling app using **React**, **Node.js**, **Express.js** and **MongoDB** that increased network performance diagnostics by 130%, enhancing system reliability and operational efficiency.
- Automated a robust SSH client manager in **Python** and **Ansible** for managing over 3M clients, increasing efficiency of the tool by 200%
- Built data processing tool using Python, processing data from **Kafka** and **Hadoop**, enabling workflows that improved data consolidation time from 24 hours to 1 minute
- Created **SQL** (TrinoSQL) queries to find network performance issues, contributing to reducing network congestion by over 50% and decreasing operational costs by over $1.2M
- Enhanced system scalability and portability through containerization with **Docker** and **OpenShift**
- Built **Bash** scripts to optimize **TCP/IP** traffic on **Unix-based systems** (**RHEL** & **BusyBox**)
- Wrote **Ansible** playbooks to monitor & manage Unix-based systems, improving deployment time by 98% and increasing operational efficiency by over 90%
- Configured large-scale **networking** solutions, including NGINX, IP routing, TLS, DNS, and FTP/SFTP servers
- Engineered and implemented cloud-based solutions on **GCP**, enhancing scalability and availability for network-intensive initiatives
- Mentored interns, driving skill development and successful project completion

Network Data Analyst   May 2022 – Oct. 2022
Bell Canada   *Montréal, QC*
- Wrote optimized **SQL** (TrinoSQL) queries to find customer impacting network issues, leading to yearly savings of over $600K per year
- Automated data parsing and visualization using **Python** with **Hadoop**, **BigQuery** and **Kafka**
- Built monitoring dashboards for network analysis and impact evaluation using **Splunk** and **MicroStrategy**
- Deployed network changes on **Unix-based systems** to increase max bandwidth throughput of systems by 99%

Software Automation Engineer   Sep. 2020 – Sep. 2021
Bell Canada   *Montréal, QC*
- Automated manual tasks using **Ruby**, **Selenium** and **Appium**, improving oerational efficiency by over 515%
- Developed a REST API used for secure file transfers using **Node.js**, **Express.js** and **Docker**
- Created dynamic data visualization tools with **Python** and **MongoDB**

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, OpenShift, ArgoCD, GCP, VS Code, Linux
DevOps: GitLab CI, Ansible, NewRelic, Zabbix, Splunk, GitHub, GitLab
Libraries: Pandas, NumPy, Matplotlib, Plotly