

# Dylan Batista

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## EXPERIENCE

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### Bell Canada

Sep. 2020 - Present

*Software Developer / DevOps Engineer / May 2023 - Present*

*Montréal, QC*

- Bell Canada is a prominent Canadian telecommunications company providing innovative solutions nationwide.
- Spearheaded the development of a high-availability job scheduling app using React, Node.js, Express.js, and MongoDB, enabling test automation and expanding network KPI coverage to handle thousands of speedtests per hour, increasing error visibility by 110%.
- Automated a robust SSH client manager using Python and Ansible with multithreading capabilities, significantly enhancing update deployment times to over 3 million embedded devices, scaling daily updates from 50k to 210k devices.
- Enhanced system scalability and portability through containerization with Docker, Kubernetes, and OpenShift, optimizing deployment workflows and ensuring seamless operational efficiency.
- Built a data processing tool using Python, reducing data consolidation time from 24 hours to just 1 minute, streamlining data analysis processes.
- Engineered cloud-based solutions on GCP, enhancing scalability and availability for network initiatives.
- Authored Bash scripts to enable the deployment of embedded script fixes, reducing deployment time from 2 months to instantaneous execution.
- Mentored interns, driving skill development and successful project completion by providing guidance on industry best practices.

*Network Data Analyst Intern / May 2022 - Oct. 2022*

*Montréal, QC*

- Wrote optimized SQL queries to identify network issues, leading to \$600K yearly savings.
- Automated data parsing and visualization using Python, Hadoop, BigQuery, and Kafka.
- Built monitoring dashboards for network analysis using Splunk and MicroStrategy.
- Deployed network changes on Unix-based systems, increasing max bandwidth throughput by 99%.

*Software Development Intern / Sep. 2020 - Sep. 2021*

*Montréal, QC*

- Automated manual tasks using Ruby, Selenium, and Appium, improving operational efficiency by over 515%.
- Developed a REST API for secure file transfers using Node.js and Docker.
- Created dynamic data visualization tools with Python and MongoDB.

## EDUCATION

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### Polytechnique Montréal

Sep. 2018 - May 2023

*Bachelor of Engineering in Software Engineering*

*Montréal, QC*

## SKILLS, TECHNOLOGIES, LANGUAGES & INTERESTS

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**Skills:** Agile Methodologies; Continuous Integration; Version Control; DevOps; Automation

**Technologies:** Linux (RHEL 8/9, BusyBox, Ubuntu); Git; Ansible; MongoDB; Docker; Podman; Kubernetes; OpenShift; ArgoCD; Artifactory; GitLab; GCP; React; Node.js

**Programming Languages:** Python; SQL (PostgreSQL, Trino); Bash; TypeScript

**Languages:** English; French; Portuguese

**Interests:** Weightlifting; Food; Beat Making; Travelling