

Dylan Batista

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EXPERIENCE

Bell Canada

Sep. 2020 - Present

Software Developer / DevOps Engineer | May 2023 - Present

Montréal, QC

- Responsible for the development and deployment of software solutions to improve the internet service of over 4.5 million customers.
- 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 4.5 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, ensuring seamless operational efficiency, and improving deployment frequency by 5x.
- Built a data processing tool using Python, reducing data consolidation time from 24 hours to just 1 minute, streamlining data analysis processes.
- Deployed high-availability speed test servers to GCP to fulfill a government mandate, ensuring a complex, secured, and network-decoupled environment for regulatory testing.
- 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

Polytechnique Montréal

Sep. 2018 - May 2023

Bachelor of Engineering in Software Engineering

Montréal, QC

SKILLS, TECHNOLOGIES, LANGUAGES & INTERESTS

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