Montreal, Canada

Mike Davy
Folepe Diffo

linkedin.com/in/mikefolepe
github.com/mikefolepe
davyfolepe70@gmail.com
438-334-4233

I am a backend software engineer who builds scalable, reliable systems by simplifying complexity through thoughtful architecture, automation, and a forward-looking interest in AI.

Work Experience

Software Engineer I **Bell** **2024–Present**
Professional Services, Bell Business Market Montreal, Canada

- **Co-led Fortinet SD-WAN automation platform** for Government of Ontario, used daily by **20–30+ engineers** and indirectly supporting **hundreds of public sector employees.**
- **Re-architected monolithic Python codebase** into FastAPI microservices, enabling new features to ship **2× faster**.
- Implemented **resilient API integrations** (retry + exponential backoff), improving FortiManager fetching reliability from **~85% → 99% success rate**.
- Built automation tools (Python + TypeScript) saving **30–40 minutes per task across 3,000+ devices**.
- Upgraded engineering standards with **TypeScript migration, ESLint, Prettier, CI/CD pipelines**, reducing rollbacks by **~25%**.
- Collaborated in an **Agile environment**, participating in code reviews, unit/integration testing, and sprint planning to deliver customer-impactful features.

Software Developer Intern **Bell** **Summer 2023**
Professional Services, Bell Business Market Montreal, Canada

- Built the **Device Viewer tool (Vue.js + Flask)**, standardizing access to configuration/health data across **200+ production systems**.
- Reduced troubleshooting time by **25%** through consolidated, user-friendly interfaces.
- Improved reliability with **unit/integration test coverage + peer reviews**, lowering post-deployment bug frequency.

Software Developer Intern **PCI Automatisation Industrielle** **Winter-Summer 2022**
Montreal, Canada

- Delivered **5+ ERP features (Angular + SQL)**, streamlining workflows for 100+ internal users.
- Automated Outlook signature system (C#), cutting administrative overhead by **50%** and standardizing branding.
- Increased test reliability with **Cypress end-to-end testing**, reducing regression issues by **25%**.

Education and Certifications

- **B.Eng. Software Engineering,** Polytechnique Montréal, Canada. **2019-2023**

Technologies and Languages

- **Core Languages & Backend:** Python, TypeScript, Java | FastAPI, Flask, Node.js, REST APIs, Microservices
- **Frontend:** Vue.js, React, Angular
- **Databases & Infra:** PostgreSQL, MySQL, MongoDB | Docker, CI/CD, Git
- **Other Expertise:** Software Architecture, Data Structures & Algorithms, Test Automation (Cypress, Pytest)

Projects

DocuFlow — Workflow Documentation Platform (In Development)

- Designing a web app to **automate workflow → SOP conversion**, enabling teams to standardize policies faster.
- Focus on **scalable microservice design** and automation.
- Demonstrates applied skills in **system design, backend development, and automation**.

Awards

Excellence & Innovation Award – Bell Canada (2024) for leadership in automation.