
Skills

- Programming: TypeScript/JavaScript, Go, C#, C++, C, Java, Python, Rust
- Tooling & Technical: {Azure, AWS, Google} Cloud, Git{hub,lab}, Cloudflare, Vercel, Nextjs, Spring, .NET, Docker, Kubernetes, Linux/Windows/macOS, Virtualization, WebSocket, SQL, NoSQL, Redis/Memcache, Shell script
- Concept & pattern: CI/CD, DevSecOps, Platform engineering, Automation, {Unit, Acceptance, Integration, Regression, Load} testing
- English (fluent), French (advanced), Vietnamese (fluent)

Employment

Software Development Intern	Ericsson	May 2025 – Now
<ul style="list-style-type: none">▪ Developed new features for Trace Compass, an open-source tool, to use on the Theia IDE platform.		

Senior Software Developer	Brake Technologies Inc.	April 2024 – Now
<ul style="list-style-type: none">▪ Implemented 4 new critical features and an MCP server, driving up user engagement and retention on the platform by 150% and helping acquisition of business partnerships.▪ Integrated Google {Maps, Events} and OpenAI API services for content generation and optimized edge functions, reduced operational costs by 25%.▪ Implemented multiple backend services and extended SQL database schemas to accommodate new features.▪ Wrote integration and unit test suites for both frontend and backend; maintain CI/CD pipeline on Github; remediated security vulnerabilities.		

Simulation Software Consultant	SimWell Technologies	Jan. 2024 – Sep. 2024
<ul style="list-style-type: none">▪ Designed and developed a Software-as-a-Service architecture specialized for process and digital twin simulation operations.▪ Configured building, testing and deploying microservice containers to Azure cloud, and OIDC integration with Entra ID▪ Designed and developed a responsive frontend, highly-adaptable for displaying data and managing organizational scopes.		

Software Developer	Microsoft	Jan. 2023 – Apr. 2023
Cloud & AI <ul style="list-style-type: none">▪ Implemented a new authentication service in the product stack on Azure K8s Service using Nestjs framework.▪ Hardened k8s security by implementing TLS encryption for microservice communications (ReST, gRPC).▪ Automated vulnerability patching with Ansible for Linux VM fleet and generated observable patch logs.		

Software Developer	Genetec Inc.	May 2022 - Aug. 2022
<ul style="list-style-type: none">▪ Implemented 2 new features for a Windows language translation management software in WPF and C#.▪ Configured 10+ build and deploy pipelines for across company's product portfolio and OS environments on Azure DevOps.		

Education

Montréal, QC.	LaSalle College	Fall 2024 – Now
<ul style="list-style-type: none">▪ Technical Degree in Computer Science. Expected to graduate in December, 2026.		

Montréal, QC.	Concordia University	Fall 2020 – May 2024
<ul style="list-style-type: none">▪ Bachelor in Computer Engineering.		

Projects

- **Tailflare UI**. The web-based GUI version of Tailflare the CLI. Next.js + Tailwindcss.
- **Apple Music Improved Rich Presence**. Extended an open source project to scrape Apple Music app on Windows currently playing status to display on websites instead of Discord. C#, .NET, Nextjs (frontend).
- **Reroll.ing**. Gacha game simulator. Golang (server), Nextjs (frontend), SQLite, Python (data), Docker.
- **Script Convenience Store**. Shell scripting and automation.

Additional Experience and Awards

- **Advisor, Technology, GCES Concordia (2024-now)**: Mentor 2 successors, plan visions for more utility products, create architecture for a new software product for competition scoring.
- **VP, Technology, GCES Concordia (2023-2024)**: Led and maintained technology assets: revamped websites, improved knowledge base, integrated competition scoring sheets.