

Employment

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| Full-stack Software Developer | Brake Technologies Inc. | April 2024 – Now |
| <ul style="list-style-type: none">Implemented 3 new critical features driving up user engagement and retention on the platform by 150%.Integrated Google Maps, Google Events, and OpenAI API services for content generation and optimized edge function executions, reducing 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 Inc. | 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.Created CI/CD pipelines for building, testing, and deploying microservice containers to Azure cloud.Designed and developed a responsive frontend, highly-adaptable for displaying data and managing organizational scopes.Set up application security policies and measures following the OWASP framework on Azure and Microsoft Entra. | | |
| Software Developer Cloud & AI | Microsoft Corporation | Jan. 2023 – Apr. 2023 |
| <ul style="list-style-type: none">Implemented a new authentication service in the product stack on Azure K8s Service using Nestjs framework.Hardened system security by implementing TLS encryption for microservice communication protocols (ReST, gRPC) with K8s gateways and proxies.Reduced toil in DevOps with automated vulnerability patching with Ansible for Linux VM fleet and generated observable patch logs.Contributed to organization's internal technical documentation on implementing service-to-service encryption. | | |
| Software Developer Software Configuration Management Team | 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

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| Montréal, QC. | LaSalle College | Fall 2024 – May 2027 |
| <ul style="list-style-type: none">Technical Degree in Computer Science. | | |
| Montréal, QC. | Concordia University | Fall 2020 – May 2024 |
| <ul style="list-style-type: none">Bachelor in Computer Engineering. | | |

Technical Experience

Projects

- Tailflare.** Sync device hostnames from Tailscale to Cloudflare subdomain. Golang.
- Tailflare UI.** The web-based GUI version of Tailflare the CLI. Next.js + Tailwindcss.
- Apple Music Improved Rich Presence.** Extended an existing open source project that scrapes 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), container.
- 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.

Languages, Skills and Technologies

- TypeScript/JavaScript; Go, C++; C; Java; SQL; Python; Rust
- Visual Studio (Code); Azure/Google/Amazon Cloud; Github Actions; Cloudflare; Vercel; Nextjs; Spring Boot; Docker; Kubernetes; Linux/Windows/macOS; Virtualization; WebSocket; CI/CD; DevSecOps; SQL, in-memory caches, KV database; Platform engineering; Shell scripting; Automation; Unit/UAT/Integration/Regression/Load testing
- English (fluent), French (advanced), Vietnamese (fluent)