Anh Hoang Nguyen

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Linkedin | Github | Website

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**
- TBA

Senior Software Developer   *Brake Technologies Inc.*   **April 2024 – Now**
- Implemented 4 new critical features driving up user engagement and retention on the platform by 150%.
- 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**
- 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   **Microsoft**   **Jan. 2023 – Apr. 2023**
Cloud & AI
- 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.
- Contributed to technical documentation on implementing service-to-service encryption.

Software Developer   **Genetec Inc.**   **May 2022 - Aug. 2022**
- 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**
- Technical Degree in Computer Science. Expected to graduate in December, 2026.

Montréal, QC.   **Concordia University**   **Fall 2020 – May 2024**
- 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.