Nathan Dinh

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OVERVIEW

Full-stack software developer with experience building and maintaining production applications across organizations of varying sizes, including my own venture. I bring a hands-on, forward-deployed approach to engineering, combining technical expertise with a strong understanding of business needs to deliver practical solutions.

TECHNICAL SKILL SUMMARY

Languages: JavaScript, TypeScript, C#, Python, SQL
Frameworks: Vue.js, Nuxt.js, React, Angular, ASP.NET Core, Entity Framework Core, Tailwind CSS
Databases: Azure, AWS, DigitalOcean, Docker, Supabase, Cloudflare, Nginx, Auth0
Cloud & Infrastructure: Azure, AWS, DigitalOcean, Docker, Supabase, Auth0
Tools & Testing: Git, GitHub Actions, Stripe, Jest, Vitest, xUnit, Testcontainers

EDUCATION

Computer Programming and Analysis | Advanced Diploma | Awarded: April 2026
Conestoga College, Waterloo, ON

PROFESSIONAL EXPERIENCE

Developer Analyst | Contract | **Apr 2026 - Present**
Home Hardware, St. Jacobs, ON | Hybrid | Full-time | 40 hours/week

- Supported the rollout of a new ERP system by analyzing existing business processes, preparing technical documentation, and developing SQL scripts to map multi-level object dependencies, improving analysis efficiency by 20%.

Software Developer | Contract | Aug 2025 - Apr 2026
Holohan Software | Remote, Canada **|** Part-time | 20 hours/week

- Developed and enhanced 3+ application features, including an overview dashboard with LinkedIn post integration and CRUD operations with edge-case handling.

Software Developer | Co-op | Apr 2025 - Aug 2025
Holohan Software | Remote, Canada **|** Full-time | 40 hours/week

- Proposed and implemented UI/UX improvements guided by the aesthetic-usability principle to streamline 3+ workflows, while building an event-driven system using the Factory pattern, WebSockets, and Redis Pub/Sub for real-time notifications and event handling.

Developer Analyst | Co-op | Sep 2024 - Apr 2025
Home Hardware, St. Jacobs, ON | Hybrid **|** Full-time | 40 hours/week

- Implemented 10+ business requirement changes across legacy systems by modifying PL/SQL procedures, job schedules, and workload automation tools, while troubleshooting, testing, and validating changes to ensure system stability.

Technology Specialist | Co-op | May 2024 - Aug 2024
Equitable, Kitchener-Waterloo, ON | Hybrid | Full-time | 40 hours/week

- Developed a React-based internal web application to streamline employee workflows, resolved 10+ software defects to improve reliability, and delivered sprint demonstrations to stakeholders to communicate features and project progress.

TECHNICAL PROJECTS / HOME LAB

Workzo | Founder & Full-Stack Engineer | workzo.ca
A client-work platform for freelancers. Discovery, proposals, approved extra costs, documents and invoicing sit on one shared, dated record that both the freelancer and the client can see.

- Architected and deployed a production SaaS using Nuxt 4, TypeScript, and a modular .NET 10 backend following domain-driven design (DDD).
- Built end-to-end client workflows for proposals, invoicing, approvals, and audit tracking, with secure passwordless authentication and role-based access control.
- Integrated Stripe billing with webhooks, idempotent processing, automated reconciliation, and progressive pricing.
- Implemented PostgreSQL row-level security (RLS) and deployed containerized services using Docker, Supabase, Nginx, and Cloudflare, with GitHub Actions CI/CD.

Stack: Nuxt 4, Vue 3, TypeScript, Tailwind CSS, C# / .NET 10, EF Core, PostgreSQL, Supabase, Stripe, Docker, GitHub Actions, Vitest, xUnit

Personal Infrastructure & Development Lab
A self-managed homelab environment designed to host a custom-built hedge fund platform, deploy enterprise IT services, and explore networking, virtualization, cybersecurity, and infrastructure management.

- Built and maintained a self-hosted infrastructure environment to support development and deployment of a custom hedge fund platform.
- Configured and managed network services, including RADIUS authentication, to explore centralized access control and network security.
- Experimented with virtualization, network configurations, and security practices to strengthen infrastructure administration skills.
- Managed infrastructure deployment, system configuration, and troubleshooting across self-hosted services.

Stack: RADIUS, Networking, Virtualization, Linux, Self-Hosted Infrastructure

CERTIFICATIONS

Cisco CCNA - In Progress