

Nicholas O'Reilly-Cross

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EDUCATION

University of Windsor

Bachelor of Computer Science

Windsor, ON

Sep. 2023 - Aug. 2026

Lambton College of Applied Arts and Technology

Diploma in Computer Programming - Graduated with Honours

Sarnia, ON

Sep. 2021 - May 2023

SKILLS

Languages: Python, C++, Java, C#, SQL, JavaScript, Swift, HTML/CSS, JSON, PHP, Go

Frameworks/Libraries: React, Node.js, Express.js, JUnit, .Net, jQuery, Spring Boot, Selenium, Tailwind CSS, Laravel

Developer Technologies: Git, Docker, AWS, Azure, Terraform, VS Code, Visual Studio, MongoDB, MySQL, PostgreSQL, Cloudflare

Concepts: Data Structures & Algorithms, CI/CD, Containerization, Cloud Deployment & Monitoring, DevOps, Agile, SCRUM, SDLC, Cloud Storage

EXPERIENCE

DevSecOps Engineer

Roche Canada

Jan. 2025 – Dec. 2025

Mississauga, ON

- Implemented and maintained secure cloud infrastructure using AWS, Terraform, and containerized deployments on ECS, improving reliability and reducing manual configuration across environments.
- Enhanced Cloudflare security operations by developing automation for WAF rule management, mTLS, DNS, and networking configurations using Terraform and Cloudflare APIs, strengthening security controls and reducing manual operational effort.
- Developed internal DevSecOps tooling, including a full-stack dashboard for monitoring Cloudflare WAF bypass rules, integrating Python, React, PostgreSQL, and CI/CD workflows to improve security visibility, automate rule lifecycle tracking, and streamline engineering operations.

Freelance Web Developer

Nov. 2022 – Present

- Fostered strong partnerships with stakeholders to capture their requirements and guarantee that the website content accurately reflected the organization's objectives and mission.
- Engineered and crafted a visually appealing and user-friendly website that effectively communicated the organization's message and showcased its initiatives.
- Empowered staff members by providing comprehensive training on website updates and maintenance, equipping the organization with the tools necessary for seamless management of their digital presence.

PROJECTS

When Baro? | *React Native, Expo, JavaScript, TypeScript, Node.js, Azure Functions, MongoDB* June 2023 – Present

- 2000+ monthly active users across both iOS and Android.
- A full-stack, cross-platform mobile app allowing players to track in-game inventory items, featuring live inventory, countdown timers, and a community review system backed by a serverless Azure Functions API and MongoDB.
- Implemented scheduled timer-triggered jobs to automate the full visit lifecycle, fetching live data from warframestat.us, resolving new items against community datasets, and triggering notifications at each phase.

OnBoard | *PHP, Laravel, PostgreSQL, Docker*

January 2025 – Present

- Built a self-hostable, real-time collaborative Kanban board where card moves, edits, and member presence sync instantly across all connected clients via self-hosted WebSockets (Laravel Reverb) on private, authenticated channels
- Designed a role-based authorization system (owner/editor/viewer) enforced through a centralized policy layer, with server-rendered event payloads keeping Blade templates as the single source of markup
- Implemented a transaction-safe drag-and-drop reordering engine that re-indexes affected columns atomically, with optimistic UI on the client and authoritative server reconciliation on conflict