

NICHOLAS CARVALHO

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SUMMARY

Full-Stack Developer with 3+ years building end-to-end applications using JavaScript, C#/.NET, and mobile technologies. Professional experience with React Native and enterprise web development, plus personal projects in React/Node.js. Experienced shipping features from design to production with strong database skills and deployment experience.

EXPERIENCE

Tigercat Industries Inc.
Web Applications Developer
Paris, ON

October 2022 – July 2025

- Built enterprise web portal using C#/.NET and MySQL serving 200+ users across 15+ organizations with role-based access control and object-oriented design patterns
- Improved application response times by 40% through MySQL query optimization and strategic indexing, demonstrating strong database fundamentals
- Implemented CI/CD pipeline with Azure DevOps achieving 60% reduction in deployment time while gaining hands-on cloud platform experience
- Developed cross-platform React Native application deployed to 30+ field technicians with offline data storage and real-time synchronization
- Created JavaScript dashboards with SignalR for real-time data visualization and backend API integration using RESTful services
- Designed and developed backend APIs with Node.js experience and .NET Framework, using clean, maintainable code practices

EDUCATION

Sheridan College
Computer Programming Diploma (GPA: 3.8 / 4.0)

April 2022

- **Relevant Coursework:** Object-Oriented Programming, Data Structures & Algorithms, Database Design, Web Development

TECHNICAL SKILLS

Programming: JavaScript, TypeScript, HTML5, CSS3, SQL, C#
Frameworks: React, Node.js, Express.js, React Native, .NET Core
Databases: MySQL, SQL Server, NoSQL - query optimization and performance tuning
Systems: Azure DevOps, Git version control, REST APIs, CI/CD pipelines
Testing: Unit testing, automated testing, cross-browser compatibility