

NICHOLAS CARVALHO

Web Applications Developer

289-668-4628 nicholasjacarvalho@gmail.com nicholas-carvalho.vercel.app

SUMMARY

Full-Stack Developer with 3+ years developing scalable web and mobile applications using C#/.NET Core, Azure DevOps, and Visual Studio/VS Code. Proven expertise in fleet telematics, multi-tenant architecture, and React Native development. Strong agile development background with AI agents, DevOps, and database optimization experience serving 200+ users.

SKILLS

C#/.NET Core, JavaScript/TypeScript, React.js, React Native, HTML/CSS, Node.js, MySQL, Azure DevOps, Git, Visual Studio, Visual Studio Code, REST APIs, SignalR, Entity Framework, Docker, Postman, AI Agents, Agile/Scrum, CI/CD Pipelines, Database Design, Performance Optimization

EXPERIENCE

Web Applications Developer
Tigercat Industries Inc.

Paris, ON
10/2022 – 07/2025

- Architected multi-tenant web portal using C#/.NET Core and MySQL serving 200+ users across 15+ organizations with role-based access and optimized database performance
- Developed cross-platform mobile application using React Native deployed to 30+ field technicians worldwide with offline data capabilities and real-time synchronization
- Built full-stack equipment monitoring solutions including real-time dashboard using JavaScript and SignalR, achieving reliable uptime with live telemetry data
- Implemented CI/CD pipeline using Azure DevOps and Git, reducing deployment time by 60% and eliminating manual deployment errors
- Integrated REST APIs connecting third-party systems and internal services with proper error handling to support web application data flows
- Optimized database performance through SQL query optimization and strategic indexing, improving application response times by 40%
- Mentored development team through code reviews establishing code quality standards and accelerating junior developer integration
- Delivered 3+ major software releases on schedule through agile project management and cross-functional collaboration with business stakeholders

EDUCATION

Computer Programming Diploma
Sheridan College

Oakville, ON
10/2020 - 04/2022