

Jeffrey Manser

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PROFESSIONAL SUMMARY

Honours graduate Web Developer blending web technology with embedded systems. Built enterprise applications and hardware control systems within two years of starting to code. Passionate about modernizing local businesses through innovative automation solutions.

TECHNICAL SKILLS

Web Development: React.js, Next.js 15, TypeScript, JavaScript (ES6+), Node.js, Laravel 11, PHP 8.2+, TailwindCSS

Data & DevOps: MySQL, MongoDB, Git/GitHub Actions, Docker, RESTful APIs

Embedded Systems: Arduino, C++, PlatformIO, Nextion HMI, Hardware Integration

Additional: Java, Python, C#, ASP.NET Core, NextAuth.js, Chart.js

FEATURED PROJECT

Double-Headed Drilling Machine Control System

Tech Stack: Arduino MEGA 2560, C++, Nextion HMI

Designed and implemented complete control system for Cripps & Sons during 5-week work term:

- Built custom embedded software with touch-screen interface
- Developed precise motor control algorithms with safety protocols
- Delivered production-ready system for industrial drilling operations

EDUCATION

Web Programming Diploma - Honours Graduate (June 2025)

Nova Scotia Community College (NSCC), Marconi Campus

EXPERIENCE

Electronics Programmer | Cripps & Sons, NS (2024)

- Programmed Arduino-based control system for industrial machinery
- Integrated hardware/software solutions with user-friendly interfaces

Screening Officer | CATSA, NS (2014-2023)

- Mastered complex software systems and real-time data analysis
- Developed problem-solving skills in high-pressure technical environment

HIGHLIGHTS

- From zero coding to enterprise applications in < 2 years
- Unique blend of full-stack web and embedded systems expertise
- Problem-solution focused approach to every project
- Committed to building technology that serves real user needs