

Steve Niles

Senior Enterprise Software Developer

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I am a life-long programmer with over a decade of professional experience working primarily on web-based enterprise software-as-a-service across multiple industries, from real estate management to precision agriculture, digital media distribution, and more.

I work full-stack, from back-end database and code to front-end functionality and design. My top priority is building systems that stand the test of time, focusing on quality, extensibility, and maintainability.

I'm not a "move fast and break things" developer; I prefer being part of a team that takes a more thoughtful and deliberate approach to architecture and implementation, aiming to avoid the most common pitfalls that deteriorate a software system's long-term health.

Tech Stack Highlights

Recent

- Web front and back end, libraries
- C# / .NET
- JavaScript, React, HTML, CSS
- SQL Server, MongoDB
- Git, Github

Previous

- Desktop applications (DOS & Windows)
- C++, Java, PHP, QBasic & Visual Basic
- AngularJS, jQuery
- Postgres
- Team Foundation Version Control

Recent Work Experience

As Full-Time Developer

- [Method](#) Customer Relationship Management Platform (2021-2023)
- [Yangaroo](#) Digital Media Distribution System (2019-2021)
- [MRI](#) Real Estate Software (2013-2019)

Responsibilities included recommending, architecting, implementing, and documenting new features, as well as maintaining existing ones; Creating and supporting unit and integration tests; Mentoring junior and intermediate developers

As Part-Time Teacher / Developer

- [Niagara College](#) First Year Object-Oriented Programming (2013)
- [Niagara College Research & Innovation](#) (2007-2013)

Roles included instructing students in GUI design and basic programming, as well as testing and grading student performance; Working on software research projects in partnership with local businesses; Personally [presenting software projects](#) at press conferences, trade shows, and to King Charles III, then Prince of Wales

Education

- [Brock University](#) - Honours BSc in Computer Science (2013)
- [Niagara College](#) - Computer Programmer Analyst Diploma (2009)

Favorite courses include Artificial Intelligence, Discrete Optimization, and Compiler Construction

Open Source

- [Visual Studio / Dotnet Roslyn](#) - Found and fixed a bug in the static analysis code of Microsoft's .NET Compiler Platform
- [MandelZoom](#) - Mandelbrot Set screensaver with technical guide on screensaver programming and GDI+ image processing techniques