Steve Niles

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I'm a full stack developer (front & back-end, desktop, library) using object-oriented and functional programming styles primarily in .NET. I'm most recently experienced with C# and Javascript, the React and AngularJS frameworks, and using parallel & asynchronous programming techniques.

Experience

Software Developer - Yangaroo   *May 2019 - Jan 2021*
- Create and enhance features of web-based Digital Media Distribution System
- Monitor and maintain deployments to development and testing environments
- Build and support public-facing dynamic web content

Senior Developer - MRI Software   *Aug 2013 - May 2019*
- Architect & implement features for general & client-specific web-based systems
- Design & build in-house tools to improve development workflows & processes
- Set up & maintain virtualized development and testing environments

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**Part-time Object Oriented
Programming Teacher** - Niagara College   *Jan 2013 - Apr 2013*
- Instruct students in the use of Visual Studio and .NET using C#
- Teach object oriented programming techniques
- Guide and assess student performance

**Computer Programming
Research Assistant** - Niagara Research   *Sep 2007 - Apr 2013*
- Work on research and development projects in partnership with local businesses
- Projects include AutoCAD extensions and real-time remote sensing visualization
- Train junior developers in programming and image processing techniques

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Education

BSc (Honours) in Computer Science - Brock University   *2009 - 2013*
Courses of interest included:
- Artificial intelligence
- Algorithm analysis
- Compiler construction

Computer Programmer Analyst Diploma - Niagara College   *2006 - 2009*
- Three year program
- Co-op with college's research department
- President's Honour Roll every semester

Open Source

Jargon.Guard - https://github.com/steveniles/jargon.guard   *Dec 2018 - Apr 2019*
A set of simple guard clauses for method parameters

The .NET Compiler Platform - https://github.com/dotnet/roslyn/pull/8195   *Jan 2016 - Apr 2016*
Found and fixed a bug in the static analysis code of Microsoft's .NET Compiler Platform

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MandelZoom - https://github.com/steveniles/MandelZoom   *Dec 2012 - Aug 2014*
A fractal screensaver & small wiki guide on various issues relating to screensaver creation and fractal image processing