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 experienced with languages C# and Javascript, frameworks AngularJS and React, and using parallel and asynchronous programming styles.

Experience

Software Developer – Yangaroo
c#, javascript, reactjs, sql-server

May 2019 → Current

Senior Developer – MRI Software
c#, javascript, typescript, angularjs, sql-server

Aug 2013 → May 2019

- Architect & implement features for general & client-specific web-based enterprise systems
- Design & build in-house tools to improve development workflows & processes
- Set up & maintain virtualized development and testing environments

Part-time Object Oriented Programming Teacher – Niagara College
c#, .net, visual-studio-2010

Jan 2013 → Apr 2013

- Instructed students in the use of Visual Studio and .NET using C#
- Taught object oriented programming techniques
- Guided and assessed student performance

Computer Programming Research Assistant – Niagara Research
c#, php, javascript, kml, postgresql

Sep 2007 → Apr 2013

- Worked on research and development projects in partnership with local businesses
- Projects included creating AutoCAD extensions and real-time remote sensing visualization systems
- Trained junior developers in programming and image processing techniques

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

Projects & Interests

Jargon.Guard – https://github.com/steveniles/Jargon.Guard
c#

Dec 2018 → Current

A set of simple guard clauses for method parameters

The .NET Compiler Platform – https://github.com/dotnet/roslyn/pull/8195
c#, visual-studio

Jan 2016 → Apr 2016

Found and fixed a bug in the static analysis code of Microsoft's .NET Compiler Platform ("Roslyn")

MandelZoom – https://github.com/steveniles/MandelZoom
c#, gdi, gdi+, mandelbrot

Dec 2012 → Aug 2014

A fractal screen saver & small wiki guide on various issues relating to screen saver creation and fractal image processing