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Nathaniel Wilkins

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Career Objective: Find a challenging **software engineering** position to apply and expand my growing knowledge of current and upcoming technologies.

Technical Skills

Environments	Windows XP/7/8, Linux (Debian, Ubuntu), Visual Studio 10/12/13, Atom, Eclipse (Kepler, Luna), WebStorm 10, FlashDevelop, Notepad++, Resharper 7/8/9, SQL Server 2008/2012, Git, NuGet, chocolatey, npm, Google Drive, Microsoft Office Suite
Programming	C# (4/5/Mono), Java (SE 7), JavaScript (ECMA 5/6), Node.js, io.js, Python (2/3), Ruby, PHP, Shell, PowerShell, MSBuild, JSON, LINQ, Lambda Expressions, XML, HTML5, CSS3, Stylus, SASS, LESS, Coffee Script, TypeScript, HLSL
Development	OO Modeling & Design, UML, S/W Design Patterns, Agile, TDD/BDD, UXD, .NET, Front-end Web Apps, Mobile (Android Native and Web), ASP.NET MVC (2-5), Web API 2, Grunt, Gulp, AngularJS, RequireJS, Bootstrap, Modernizer

Experience

Contracted at Carestream Health   **(2013-2015)**

(Web App) Translations Manager: Created a **MVC5** web app to manage all platform product localization for 25 languages and over 125,000 translations.

- Used **MVC5** and **Razor** to serve up **angular.js** client pages
- Implemented RESTful APIs with **Web API 2** to serve localization data
- Used **OAuth** and **ASP.NET Identity** for authentication and authorization
- Used **Castle Windsor** IoC container to manage components and their dependencies
- Used ORM framework **NHibernate** with **Fluent NHibernate** mappings
- Used **AutoMapper** to map POCO entities to view models
- Used **Dynamic Linq** to manage server side pagination, sorting, and ordering
- Created exporters for various formats (XLIFF, XML, JSON, and CSV)

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(Web App) <u>NextGen Platform Rewrite:</u> Acted as the leading technology specialist for the front-end client for the rewrite of the existing Capture Platform architecture to support newer technologies.

- Architected bootstrapping of **angularjs** and **requirejs** module system
- Created front-end build system with **npm** and **grunt** integrated with **msbuild**
- Established **angularjs** design patterns and best practices
- Architected localization system with **angular-translate** and **cldr**
- Used Translations Manager JSON translations for input into localization system

(WinForms) <u>Sample DRX SDK Applications:</u> Added additional features and refactored the windows DRX X-Ray detector applications to make developing third party applications with the SDK easier.

- Worked on both the **C#** and **C++** implementations
- Used the **C/C++** DRX SDK to interface with a DRX detector
- Used the **façade pattern** to encapsulate the open DRX detector API
- Cleaned up the **WinForms** UI

Certifications

Microsoft Specialist
Programming in C#   2/9/2015

Formal Education

Monroe Community College, Rochester, NY   GPA: 3.81
Computer Science (2012-2013)

Open Source Projects   **(2011-2015)**

ESLint The pluggable linting utility for JavaScript and JSX
- <u>eslint-plugin-bdd:</u> Lint BDD specs to prevent exclude and focus testing
- <u>eslint-plugin-paths:</u> Ensure paths to the file system are valid
- <u>eslint-to-esformatter:</u> Use an eslint configuration to format code with esformatter

Gulp Node.js streaming build system
- <u>gulp-require-order:</u> Order files by comment dependencies for concatenation
- <u>gulp-factory-loader:</u> Boilerplate build structure for gulp

Angular HTML enhanced for web apps
- <u>angular-translate:</u> i18n in your angular apps

Time Allocator Developed a web application for a concise course scheduler able to combine
 user desired classes into the best use of time

Fusion Developed a project management website with blogging features and project
distribution capabilities much like GitHub