

# Justin Tubbs

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**Introduction:**

My professional experience spans both civilian and military applications, having worked on-site as a contractor at Wright Patterson Air Force Base in Dayton, OH and also for private companies both mid and large size. I have worked with web development and software programming for the past 14 years in several capacities and with various languages and technologies. A capable and well-respected team leader, I frequently speak with and present technical concepts to upper management or business stakeholders. I also possess strong project lead, technical lead, and team assembly skills. For the past 5 years I have been leading both project teams and development teams as well as participating as a research and development lead for a recent architecture refactoring across our entire platform of features and applications.

My goals are to help develop software that solves problems, speeds and/or automates manual processes, and also to effectively communicate technical concepts with mid and upper management so that they can clearly be understood, leading to better decision-making and more successful business outcomes.

**Technical Skills Summary:**

HTML4/5, XHTML (10 yrs)	XML / XSD / XSLT / DTD (11 yrs)	Microsoft Visual Studio 2005-13
ASP / ASP.NET (10 yrs)	AJAX / XHR (10 yr)	Microsoft Team Foundation
C#.NET v1.1 - v4.5 (10 yrs)	Microsoft IIS v5.0 – v8.5 (10 yrs)	Server 2008-12
LINQ / Entity Framework (5 yrs)	Microsoft Office 97-2013	MySQL (7 yr)
WPF v2.0 - v4.0 (4 yrs)	Microsoft SQL Server 05-08 (8 yrs)	Oracle 9i (3 yr)
Silverlight v2.0 - v4.0 (3 yrs)	Microsoft SQL Server Integration	Backbone.js (3 yr)
Javascript (8 yrs)	Services [SSIS] (3 yrs)	Handlebars.js (3 yr)
	Microsoft Visio 2003-2013	NuGet Packaging (2 yr)

**Work Experience:****Lexis Nexis, Miamisburg, OH**

*Consulting Software Engineer (1/2014 to present)*

**Responsibilities:** Technical leadership of onsite and off-shore web development teams in a lead role in the application development group. Involved with leading small and large teams of offshore developers through development sprints for each production release.

\* Architecture design, oversight of application framework codebase, and web application assembly of modular feature components. This involved a great deal of troubleshooting both on TFS builds, deployment methodologies, Unity dependency injection registrations, and NuGet package installation and package dependency mapping.

\* Experienced with large-scale web applications providing web services with high availability, redundancy, and scalability, with a global and international customer base, working on a multi-year project with a budget in the \$500 million dollar range.

\* Served as tech lead for various projects against specific delivery dates and fixed scope, ensuring that releases are met and that the software meets quality standards for bugs and usability.

\* Performed analysis of design patterns, implementation issues, performance enhancements, coding efficiency and adherence to coding standards. Also involved in creating UML sequence diagrams, architectural asset diagrams, workflow diagrams, and other artifacts to properly document new work and communicate clearly.

\* Prototyping, research and development work on future technologies and design patterns. Spent 18 months on a special task force team that lead a major wholesale rewrite of our entire codebase, drastically updating the technologies we were using. The new technology platform is a mixture of server-side MVC and client-side MVC, RESTful architecture using Backbone.js and Handlebars.js for client-side HTML render, and ASP.NET MVC and WebAPI Controllers on the server-side. Also led multiple day-long info share

sessions with the entire development team (75+) to help instruct and train them through this transition.

\* Reviewed and verified team member code reviews, assisted with establishing processes for performance instrumentation and diagnosis of performance issues related to synchronous and single-threaded design patterns.

\* Promoted to Consulting Software Engineer after my first three years as a Senior Solutions Engineer, in a highly competitive environment where promotions are extremely difficult to come by.

#### **Awards/Recognition:**

- The Legal Intelligencer's "Best of 2014" - Best Legal Research Online Research Provider: Lexis Advance

#### **Lexis Nexis, Miamisburg, OH**

*Senior Solutions Engineer (1/2011 to 1/2014)*

**Responsibilities:** Technical leadership of onsite and off-shore web development teams in a senior role in the application development group. Involved with leading small and large teams of offshore developers through development sprints for each production release.

\* Architecture design and review of new features and functions, providing feedback and requirements analysis to the business and product development teams.

\* Developed the client browser layer and web application layer using C#.NET, WebParts and User Controls.

\* Collaboration between co-located and remote business units in Australia, Canada, United Kingdom, China, and India to achieve development goals and meet delivery deadlines

\* Led the Search Module team through 7 releases, which was the key functional capability of the flagship web application, Lexis Advance.

\* Analysis of complex business problems and functional requirements to create coding tasks that can be implemented by offshore teams

\* Prototyping and research and development of new application feature functions, as well as future technologies and design patterns

\* Future-forward thinking toward best practices and methods for new products/programs/platforms

\* Involved with multiple production releases to a customer base of around 500K individual user accounts.

#### **Awards/Recognition:**

- The Legal Intelligencer's "Best of 2013" - Best Legal Research Online Research Provider: Lexis Advance
- 2013 SIIA CODiE Award for Best Legal Information Solution - Lexis Advance

#### **O'Neil & Associates Inc, Miamisburg, OH**

*Senior Application Developer (10/2006 to 1/2011)*

**Responsibilities:** Collecting design requirements, GUI design, Application Programming, Database Schema Creation, Stored Procedure writing, End-User Training, System Documentation

\* Lead Developer for a client software application that was created on WPF/.NET v4.0 using LINQ-to-XML and a proprietary XML data structure to display parts information for Caterpillar and Mitsubishi forklift products for multiple regional operations (America, Europe, Singapore) along with localized GUI translations. This product is capable of functioning in a fully disconnected state, partially-connected, and fully Internet connected states, and has features for checking for updates and also using Microsoft BITS technology to download updates silently in the background.

\* Automated existing optical character recognition (OCR) technology to batch process over 90,000 TIF raster image files and auto-hotspot them for numeric values, returning coordinate data as well as determining the font used for text on the image file. OCR output was stored in DXF files and then converted to XAML markup using proprietary .NET code that I had written and developed in house.

\* Created Silverlight and WPF components to display CGM vector files in a custom viewer application that worked both in WPF client applications and in Silverlight web applications.

- \* Constructed a CGM-to-XAML converter class library in C#.NET that would convert binary CGM format files into XAML markup suitable for Silverlight/WPF applications. Was an integral member in developing distinct WPF and Silverlight class libraries in order to add custom functionality not available in standard XAML markup.
- \* Wrote extensive VB.NET code to support Script Tasks within complex Microsoft SQL Server Integration Services (SSIS) packages. Supported VB.NET codebase in Script Tasks and multiple change iterations while delivering a quality SSIS data migration experience to our military customers and clients. These SSIS packages are used to migrate data for parts provisioning and inventory systems which support various transport and protection vehicles for the US Army and Marine Corp.
- \* Created Microsoft SQL Server SSIS data transformation packages with high complexity to solve various business problems and speed the flow of data between data sources. I have also written a few short website articles about SSIS technology as I've discovered new pitfalls or solutions to existing technology limitations.
- \* Responsible for writing C#.NET Windows Services and Web Services to facilitate publishing of paper manuals out of proprietary Content Management Systems and database structures.
- \* Involved in writing initial requirements, Visio workflow diagrams, test plans, programmer manuals, and other documents for specialized military vehicle electronic manuals.

### **Smartronix Inc. - Wright-Patterson Medical Center, Wright-Patterson AFB, Fairborn, OH**

*Web Application Developer (04/2004 to 10/2006)*

**Responsibilities:** Full development cycle process, from collecting specs, to developing flow diagrams, to writing code, to creating database schemas and tables, eventually training end-user medical staff

- \* Developed PHP and C#.NET based web applications to track patient information, medical records, patient appointments, training requirements, and other data for managerial and administrative use.
  - \* Wrote several web applications designed for kiosk machines, mainly for patient check-in purposes, but also for health questionnaires and reporting.
  - \* Implemented several online web-based appointment calendars used for Blood Donations, CPR Training, Help Desk metrics, and In/Out Processing by military and civilian members.
  - \* Interacted directly with doctors, nurses, and medical staff while working on-site in the Medical Center, supporting any development needs related to medical software that had been created in-house.
- (This position was the exact same work as with Office Technology Systems, our contract was taken over by Smartronix contracting company, but our day-to-day functions were the same)*

### **Office Technology Systems - Wright-Patterson Medical Center, Wright-Patterson AFB, Fairborn, OH**

*Web Application Developer (08/2002 to 04/2004)*

**Responsibilities:** Full development cycle process, from collecting specs, to developing flow diagrams, to writing code, to creating database schemas and tables, eventually training end-user medical staff

- \* Developed PHP and C#.NET based web applications to track patient information, medical records, patient appointments, training requirements, and other data for managerial and administrative use.
- \* Implemented several online web-based appointment calendars used for Blood Donations, CPR Training, Help Desk metrics, and In/Out Processing by military and civilian members.

### **RealEstateSigns.com - Hamburg, NY**

*Graphics Artist and Webmaster - Internship (12/2001 - 01/2002)*

- \* Updated and enhanced multiple domains using Corel Draw to export animated .gif and .swf files for the web.
- \* Created new graphics and thumbnails of real estate signs and posted them to a gallery page for new and existing customers to visit and get ideas for their sign orders.

### **Education:**

Bachelor's Degree - Management Information Systems [2002]  
Cedarville University, Cedarville, OH