



Jesse Johnston

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What I Do

I'm a passionate software developer. My specialties are Silverlight/WPF user interfaces and .NET server applications. I also develop in HTML/JavaScript and native apps for the iPhone.

Summary of Qualifications

- Highly engaged software developer. My output is very high and I work well with other developers, customers and the business leadership.
- Broad development expertise with solutions ranging from enterprise scale to consumer applications.
- Very strong software engineering skills in .NET, including production experience with Silverlight, WPF, WCF, and WF. MCTS certification in WCF.
- Co-developer of code2plan, a commercial agile project management system (www.code2plan.com).
- Deep C# and .NET CLR knowledge. Not afraid of VB.NET or other languages. Prior background in C++ and C.
- Devoted and pragmatic practitioner of modern development practices: Agile, TDD, continuous integration and beyond.

Work Experience

2010 – Present Vertigo Software Portland, OR

Senior Software Engineer / Manager

I lead the Vertigo Portland office. My project assignments have included:

- Developer and team lead for the Bill & Melinda Gates Foundation's Foundation Registry i3 site, used to collect and evaluate grant proposals for the US Department of Education (ASP.NET MVC 2).
- Developer and technical lead for the Microsoft LookingGlass Windows Phone 7 application, a brand sentiment tracking application written in Silverlight.
- Developer and team lead of the Vertigo engineers on the Microsoft Windows Intune project. Intune is an enterprise system management application written in Silverlight.
- Team lead for the development of the Portland-area .NET User Group website redesign (ASP.NET MVC 3)
- Developer/lead for the Seattle radio station KEXP's audio streaming server and public metadata REST APIs (Windows Azure, .NET 4, C#, C++)
- Developed a RIA application framework for the HTML5 Canvas in JavaScript.

	<p>2007 - 2010 Ascentium Beaverton, OR</p> <p>Technical Architect</p> <p>Architect and key developer of a number of products and sites created for Ascentium customers:</p> <ul style="list-style-type: none"> ▪ Architecture design of the Silverlight user interface for Stockamp's hospital revenue cycle management system. ▪ Technical lead for the Brooks Running Club, a complex Facebook application for runners. Designed and implemented the server back-end using WCF and Entity Framework. ▪ Wrote the compliance management software service sold by Vigillo, a Portland startup (ASP.NET, .NET 3.5, LINQ to SQL, WCF, WF). ▪ Developed two Silverlight web sites for Microsoft: Windows Mobile 7 launch site, Microsoft Surface Video Wall. ▪ Implemented Microsoft VoiceMate, a WPF video localization tool. ▪ Wrote Ascentium Portfolio showcase application for Microsoft Surface. ▪ Designed and implemented Cisco's Global Internet Speed Test iPhone application. Also wrote the supporting WCF services. ▪ Developed an email filtering and quarantine system for Nintendo (Microsoft Exchange Web Services, .NET 3.5, WCF, ASP.NET, Unity). ▪ Taught a ten-week Silverlight class to the local Ascentium development team.
	<p>2006 - 2007 TransCore Beaverton, OR</p> <p>Development Team Lead</p> <p>Developed a .NET Windows Forms client for the company's freight matching product.</p> <ul style="list-style-type: none"> ▪ Lead a team of three engineers in an agile process. ▪ Successfully delivered four versions of the product on schedule. ▪ Designed and implemented the ClickOnce application installation and update process.
	<p>2002 – 2005 Integrated Information Systems / Resolute Portland, OR</p> <p>Senior Consultant</p> <p>Developed a C# .NET Windows Forms customer freight matching system for TransCore.</p> <ul style="list-style-type: none"> ▪ Ported the application to .NET 2.0 and Visual Studio 2005. ▪ Designed and implemented the data-binding infrastructure. ▪ Developed custom controls and user interface components, including support for XP visual styles and control auto-fill. ▪ Advised and mentored the team on Windows Forms development techniques.

	<p>Implemented the .NET-based production control system for Steelscape's new SAP/.NET enterprise resource planning system.</p> <ul style="list-style-type: none"> ▪ Implemented a multi-tiered server architecture using Windows services, COM+, SQL Server 2000, XML, and Microsoft Message Queue. ▪ Taught an 8-week .NET development class for the client's engineering team, writing my own curriculum. ▪ Developed system components in C#, VB.NET, and Managed C++, with interoperation to Microsoft Office XP and legacy C code components. ▪ Designed and implemented a remoting architecture to support real-time presentation and update of system data to concurrent users throughout the enterprise. ▪ Test-driven development using NUnit. ▪ Implemented NAnt-based automated build system. ▪ Designed and implemented custom user interface components.
	<p>2001 - 2002 Salu Portland, Oregon</p> <p>PDA Development Manager</p> <ul style="list-style-type: none"> ▪ Lead a team of four software engineers to develop a medical prescription-writing application for the Palm and Pocket PC platforms. ▪ Designed and implemented the XML data synchronization protocol between the company web site, a PC server application, and the PDA application. ▪ Developed an employee timekeeping application using C#, ADO.NET and XML. ▪ Re-implemented the PC data management component of the Prescription Writer application using C++ and ADO. ▪ Developed a conduit to download HTML documents to Palm devices.
	<p>2001 ITXC Beaverton, Oregon</p> <p>Software Engineering Manager</p> <ul style="list-style-type: none"> ▪ Lead a team of four software engineers to develop tools supporting international telephone call routing over the Internet. ▪ Designed and implemented a multi-threaded FTP component in ATL for use in VB and C++ client systems. ▪ Enhanced the company's Lucent switch configuration utility to support time-of-day call routing with an ATL component using ADO and SQL Server 2000. ▪ Enhanced the ISAPI client communication component of the company's Internet Call Waiting server product for greater performance and scalability.

	<p>1999 - 2000 Critical Path Software Portland, Oregon</p> <p>Senior Staff Engineer</p> <ul style="list-style-type: none"> ▪ Implemented the Windows Pocket PC version of the Vivonic Fitness Planner application. ▪ Implemented an HTTP-based monitoring application for a commercial airline in-flight email system. ▪ Designed and implemented an MFC application to perform laser simulations for semiconductor device manufacturing. ▪ Designed and developed a VBA/C++ extension to Microsoft PowerPoint to simplify the creation of presentations targeted for Tektronix color printers. ▪ Developed a digital image management application in MFC to support product merchandising for Nike.
	<p>1996 - 1999 Qualcomm/Now Software Portland, Oregon</p> <p>Senior Staff Engineer/Manager</p> <ul style="list-style-type: none"> ▪ Lead a team of ten software engineers and QA staff to deliver Eudora Planner, a Windows personal information management application. ▪ Designed and implemented the Win32 server back-end for the product with two other engineers. Responsible for the C++ class library architecture.
	<p>1994 - 1996 Intersolv Beaverton, Oregon</p> <p>Senior Software Developer</p> <ul style="list-style-type: none"> • Ported the Windows version of PVCS 5.2 to X Windows/Motif for five Unix platforms. • Added support for project sharing between Unix and PC PVCS implementations.
	<p>1986 - 1994 Electronic Data Systems Beaverton, Oregon</p> <p>Systems Engineer</p> <ul style="list-style-type: none"> ▪ Technical lead of a team of three engineers. ▪ Ported C-language document scanning/indexing applications from MS-DOS to Windows and Unix. ▪ Designed and implemented a document archiving system to migrate data between disk, optical and tape storage. ▪ Developed OpenGL tools for General Motors to model and render 3D car body surfaces.

Projects and Activities

Portland-area .NET User Group (PADNUG) Outreach Coordinator

Software Projects

luvnote

- Facebook application for dating via online music sharing
- Silverlight UI
- Music store
- Audio streaming

code2plan

- Agile project management tool and work item tracking.
- WPF-based Visual Studio addin.
- Silverlight web portal

ObjectListView

- “DataView for Objects”.
- Sorted and filtered view of list of .NET objects.
- Presented at 2007 Portland Code Camp.
- Used in commercial applications worldwide.

clickHappy

- Photo album in Windows Forms.
- View and catalog images.
- Display cropped, scaled, rotated images using persisted GDI+ transforms.
- Searchable metadata catalog stored in XML.

I’m also an avid runner and have completed six marathons.

Education

1985 University of Washington Seattle, Washington
Bachelor of Arts, Economics