



# Jesse Johnston

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<b>What I Do</b>	I'm a successful software developer and leader. I consistently deliver great software on time. My current focus is on JavaScript web applications and .NET-based microservices.
<b>Summary of Qualifications</b>	<ul style="list-style-type: none"><li>• Fully engaged developer. My output is very high and I work well with other developers, customers and business leadership.</li><li>• Effective leader. I routinely lead teams of 3-10 engineers to deliver larger projects.</li><li>• Architect. I design large-scale solutions that integrate diverse technologies.</li><li>• Product management. I have a great common-sense product focus.</li><li>• Solid web development experience with JavaScript and modern HTML/CSS.</li><li>• Deep C# and .NET CLR knowledge. Prior background in C++ and C.</li><li>• Committed to modern agile practice.</li></ul>
<b>Work Experience</b>	<p>2015 – present      The Home Depot      Vancouver, WA</p> <p><b>Lead Engineer</b></p> <p>With two other engineers, developed a complete microservice framework for web development at Home Depot.</p> <ul style="list-style-type: none"><li>▪ React front-end framework for integrating with microservice web APIs (authentication, AJAX, promise support, Web Socket notifications)</li><li>▪ Very rich web development framework for building microservices based on ASP.NET 5 middleware.</li><li>▪ Complete application infrastructure support: service routing, data persistence, caching, authentication/authorization, configuration, notifications, messaging and long-running async operation tracking.</li><li>▪ Shared kernel versioned data store with GraphQL-compliant schema and query support.</li><li>▪ Custom deployment solution with Visual Studio integration.</li><li>▪ Web dashboard for monitoring and controlling microservices, including health status checks, multi-server log viewer, DevOps issue tracking, user/role/permission management.</li><li>▪ Stack: React / JavaScript, C# / .NET, Redis, RabbitMQ, SQL Server, MongoDB, Neo4j, Elasticsearch.</li></ul>

	<p>2013 – 2015      Renaissance Learning      Wisconsin Rapids, WI</p> <p><b>Senior Software Engineer</b></p> <p>Developed a web version of the Subtext iPad e-reader application for the classroom.</p> <ul style="list-style-type: none"> <li>▪ Web user interface development with responsive support for mobile devices.</li> <li>▪ Integration with REST web services.</li> <li>▪ Implemented class assignment workflow.</li> <li>▪ Designed and implemented a caching repository layer to abstract all web-service calls.</li> <li>▪ Added instrumentation for all web requests and web-service calls.</li> <li>▪ Stack: JavaScript, HTML, CSS, C# / .NET.</li> </ul>
	<p>2012 – 2014      MMCI      Seattle, W</p> <p><b>Developer / Co-Founder</b></p> <p>Part of a startup team that developed The Pick King, a virtual sports book game for Facebook.</p> <ul style="list-style-type: none"> <li>▪ Architected and developed much of the server back-end: data store, domain model, service layers, REST services. Also delivered the core client-side JavaScript stack.</li> <li>▪ Web user interface development.</li> <li>▪ Stack: JavaScript, HTML, CSS, Handlebars.js, C# / .NET, Redis, MongoDB.</li> </ul>
	<p>2010 – 2013      Vertigo Software      Portland, OR</p> <p><b>Senior Software Engineer / Manager</b></p> <p>I led the Vertigo Portland office and also developed software full-time.</p> <ul style="list-style-type: none"> <li>▪ Developer and project lead for the KEXP Artist Discovery Windows 8 application.</li> <li>▪ Developer of KEXP's mp3 audio streaming server and public metadata REST APIs.</li> <li>▪ Project lead for the KEXP iPhone/iPad application.</li> <li>▪ Developer and team lead for the Bill &amp; Melinda Gates Foundation's Foundation Registry i3 web application used to collect and evaluate grant proposals for the US Department of Education.</li> <li>▪ Developer and technical lead for the Microsoft LookingGlass Windows Phone application, a brand sentiment tracking application written in Silverlight.</li> <li>▪ Developer and lead for the Vertigo team building Microsoft Windows Intune, an enterprise system management application written in Silverlight.</li> <li>▪ Team lead for the Portland-area .NET User Group website redesign.</li> <li>▪ Stack: JavaScript, WinJS, HTML, XAML, C# / .NET, ASP.NET, C++, Azure.</li> </ul>

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

	<p>Implemented the .NET-based production control system for Steelscape's new SAP enterprise resource planning system.</p> <ul style="list-style-type: none"> <li>▪ Implemented a multi-tiered server architecture using Windows services, COM+, SQL Server 2000, XML, and Microsoft Message Queue.</li> <li>▪ Taught an 8-week .NET development class for the client's engineering team, writing my own curriculum.</li> <li>▪ Developed system components in C#, VB.NET, and Managed C++, with interoperation to Microsoft Office XP and legacy C code components.</li> <li>▪ Designed and implemented a remoting architecture to support real-time presentation and update of system data to concurrent users throughout the enterprise.</li> </ul>						
<p><b>Projects and Activities</b></p>	<table border="0"> <tr> <td>Portland-area .NET User Group</td> <td>Outreach Coordinator</td> <td>2010 – 2012</td> </tr> <tr> <td>Friends of Woods Park</td> <td>Chairman</td> <td>2014 – present</td> </tr> </table> <p><u>Software Projects</u></p> <p>luvnote</p> <ul style="list-style-type: none"> <li>• Facebook application for dating via online music sharing</li> <li>• Silverlight UI</li> <li>• Music store</li> <li>• Audio streaming</li> </ul> <p>code2plan</p> <ul style="list-style-type: none"> <li>▪ Agile project management tool and work item tracking.</li> <li>▪ WPF-based Visual Studio add-in.</li> <li>▪ Silverlight web portal</li> </ul> <p>ObjectListView</p> <ul style="list-style-type: none"> <li>▪ "DataView for Objects".</li> <li>▪ Sorted and filtered view of list of .NET objects.</li> <li>▪ Presented at 2007 Portland Code Camp.</li> </ul> <p>Outside of work, I cycle and run a lot. I've finished six marathons, a triathlon, fondos and a bunch of century rides. I also lead a volunteer group that maintains a large forest park in SW Portland.</p>	Portland-area .NET User Group	Outreach Coordinator	2010 – 2012	Friends of Woods Park	Chairman	2014 – present
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