**Edward Williams**

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<http://www.edward-williams.com>

**Experience Summary**

|  |  |  |
| --- | --- | --- |
| **Skill** | **Level** | **Years** |
| C# | 8 | 15 |
| Azure | 7 | 3 |
| .Net Core | 2 | 7 |
| MVC | 7 | 7 |
| Distributed Processing | 8 | 11 |
| Entity Framework | 8 | 10 |
| Azure / Cloud | 7 | 6 |
| WCF / RESTful Services / AJAX | 8 | 21 |
| ASP.NET | 8 | 15 |
| SQL Server | 8 | 21 |
| Angular.js | 3 | 2 |
| WPF | 7 | 15 |
| Xml/Xsl/Xslt | 9 | 21 |
| ADO.NET | 7 | 15 |
| JQuery | 8 | 12 |
| CSS | 9 | 23 |
| HTML / DHTML | 10 | 23 |
| JScript / JavaScript | 9 | 23 |
| AJAX | 8 | 21 |
| Process Optimization | 10 | 28 |
| Project Management | 8 | 15 |
| Interviewing Others | 9 | 23 |
| Being Interviewed | 1 | 32 |

**Work History**

**Feynman Group**

1177 Pearl St

Eugene, OR

Sep 2019 to Current

**Title** Senior Software Engineer

**Skills** .Net Core, AJAX, Azure, Azure DevOps, C#, Confluence, Distributed Processing, Identity Server 4, Jira, JSON, MOQ, MVC, WCF/REST, XSLT, Agile, CSS, DHTML, HTML, JavaScript, jQuery, Multithreading, NMock, T-SQL, XML, Angular 7, AngularJS, NodeJS, PostreSQL, Batch Files

**Duties** Define processes, procedures and coding standards for development team. Architected and assisted in coding enterprise-scale applications for Azure using Service Bus, Functions, Storage, Key Vault, SQL Server, App Services and many other Azure technologies as fitting. Created projects, build pipelines, defined security policies for DevOps. Perform code reviews. Create training documentation, train developers in many subjects including Repository Pattern, GIT, transitioning on-site apps to Azure. Installed and configured an Identity Server 4 OAuth / OIDC server including Asp.Net Identity for single sign-on and API authentication and authorization, as well as minimizing overall cost for enterprise level web applications. Interviewed and provided feedback for developers and testers. Coded scalable applications optimized for maintainability, performance, reuse and marketability. Define work items for develops in Jira. Write knowledge base articles, training in Confluence. Provide estimates for projects and work items. Mentor developers.

Apex Systems

**T-Mobile**

Bellevue, WA

Sep 2018 to May 2019

**Title** Senior Software Engineer

**Skills** NodeJS, TypeScript, Angular 6, PostGreSql, MSSQL, Marathon, WPF, Docker, HTML, CSS, JavaScript, LDAP

**Duties** Code new features and fix issues for the Roundabout and Slot lease maintenance intranet tools. Estimate time for work items. Learn new technologies as needed to support site. Work closely with end users and PM to determine best paths and work item priority. Create and modify front end, middle and data tier. Wrote and modified multiple APIs.

Launch Consulting

**Microsoft**

Redmond, WA

Jan 2018 to Mar 2018

**Title** Senior Software Engineer

**Skills** Azure, C#, Async, Entity Framework, MCV, WPF, JavaScript, Web API, RESTful services, HTML, LESS Css, ASP.NET Core

**Duties** Full stack developer for the Microsoft BizSpark web site. Create web services in Azure, integrate with front end code. Write new and edit existing pages for the internal and external facing web sites. Use VSTS for defect and task tracking, reporting, continuous integration. Write estimates for and communicate status to PM and development management.

Insight Global

**Verizon**

Redmond, WA

Oct 2016 to Dec 2017

**Title** Senior Software Engineer

**Skills** AJAX, ASP.NET, Azure, C#, JSON, MOQ, WPF, WCF/REST, ADO.NET, Agile, Autopilot, CSS, DHTML, HTML, JavaScript, jQuery, Multithreading, Oracle, XML, Knockout, Angular 1.x

**Duties** Create new features as requested, bug fixing for the TPM site which is used to schedule and track training across all of Verizon. Worked with Oracle databases, Office Web Components, Knockout and other technologies. Converted the site to asynchronous vs synchronous. Converted multiple code blocks to use parallel computing where the ROI was large enough to justify. Created unit tests for previously untested code (all of it). Recommend and implement modern coding practices. Document tribal knowledge.

**SAI Global**

El Dorado Hills, CA

Oct 2016 to Mar 2017

**Title** Senior Software Engineer

**Skills** AJAX, ASP.NET, C#, JSON, WPF, Entity Framework, MOQ, MVC, WCF/REST, ADO.NET, Agile, CSS, DHTML, HTML, JavaScript, jQuery, Multithreading, MySQL, XML, Knockout, Subversion

**Duties** Analyze and document the code base. Recommend and implement improvements for memory and cpu consumption issues. Fix bugs. Update code base to use the latest libraries. Upgrade the code to use latest C# language features. Manage code reviews. Set up TFS to allow cross-location collaboration. Create UI tests using Subversion. Create test projects using Visual Studio to improve code coverage.

Wicresoft

**Microsoft**

Redmond, WA

March 2015 to Jul 2016

**Title** Senior Software Engineer

**Skills** AJAX, ASP.NET, Azure, C#, JSON, MOQ, MVC, WCF/REST, ADO.NET, Agile, Autopilot, CSS, DHTML, HTML, JavaScript, jQuery, Multithreading, T-SQL, XML, XPert, XTS, Batch Files, WPF

**Duties** Create new features as requested, bug fixing for the <https://jarvisjx.cp.microsoft.com/> site handling chargebacks, credit limit review, fraud review for Microsoft sites’ customer purchases. Recommend architecture improvements. Create logging infrastructure to allow debugging production issues. Deploy fixes to the PHX and PROD environments. Document tribal knowledge. Fix bugs in the Microsoft Band's public API. Wrote a fuzz tester for RESTful APIs. Recommend and implement improvements to code base. Add features to internal tools using XAML.

Rooster Park, LLC

**Hanford Nuclear Facility**

Richland, WA

October 2014 to February 2015

**Title** Senior Software Engineer

**Skills** ASP.NET, C#, JSON, MOQ, MVC, ADO.NET, Agile, CSS, DHTML, HTML, JavaScript, jQuery, T-SQL, XML

**Duties** Architect and code the middle and data tier for the MTBD project using WCF/REST, MVC 4, ASP.NET, T-SQL. Create multiple reusable projects and tools for use in other areas including a PDF form filler, database to maintain site entity structures. Mentor lesser developers. Write unit tests for all code using MOQ/NUnit.

Multiple, at

**Microsoft**

1 Microsoft Way

Redmond, WA 98052

March 2011 to October 2014

**Title** Senior Lead Software Engineer

**Skills** ASP.NET, Azure, C#, JSON, MOQ, MVC, WPF, WCF/REST, ADO.NET, Agile, CSS, DHTML, HTML, JavaScript,

jQuery, T-SQL, XML, OAI-PMH

**Duties** Architected and developed a distributed processing system to crawl research paper publishers' sites, pull metadata into a SQL Server database, push the items into an Azure Queue, pull them from the queue and move them into a processing pipeline. Created common base classes to handle the 3 major forms of data parsing: OAI-PMH, XML and HTML. These objects communicate back to a job control SQL server and could run on a VM farm to allow scaling. Designed an Azure-based configuration store from which all machines could pull their configuration information, centralizing management. With this code any new publisher could be on-loaded and configured within 30 minutes and fresh content downloaded. Design and code the Bing Editorial Curation tool (BEC). Wrote a web based front end to automate check out, modification, validation and check in of the Query Overrides INI files for each market. This file is used to set overrides for positioning of Answer service answers on the first page of Bing results using a WYSIWYG interface. The tool included an ASP.NET MVC3 front end with very heavy JQuery, Web Service middle tier, SQL Server 2008 data layer, and a multithreaded Windows service to handle asynchronous processing. Also wrote a number of command line utilities and batch files. Wrote multiple reports and export services for monitoring usage, status and performance.

Analysts In Motion, at

**Premera Blue Cross**

7001 220th St SW

Mountlake Terrace, WA 98043

August 2010 to March 2011

**Title**: Senior Software Developer

**Duties**: Develop front end, middle tier, back end software for Premera Blue Cross' secure web portal. Work with large database back end. Optimize stored procedures for Facets access. Pulled common code to common library for all lines of business, simplifying maintenance.

Mulitiple, at

**Microsoft**

1 Microsoft Way

Redmond, WA 98052

March 2009 – July 2010

**Title**: Software Developer

**Duties**: Primary developer for the [myNyp.org](http://mynyp.org) web site with the Health Services team at Microsoft. Develop a multi-tier web site integrating with Microsoft Amalga and Microsoft HealthVault for New York Presbyterian Hospital using **ASP.NET, C#, DHTML, Javascript, CSS, XML, WPF** and related web technologies using **Agile** methodologies. Code web user interface as per design specifications. Report status to program management teams. Prioritize work items and investigate solutions to system integration issues. Design pages for the Miami application using **Sharepoint 2007**. Fill in for project management staff as needed and lead scrum and sprint planning meetings. Write code to extract data from the Cosmos data center using **Scope** on the Cosmos system, **C#, batch files, T-SQL** for the MSN NIF pipeline, aggregate data for forwarding to internal teams. Configure and host Malevich site for efficient code review process.

Sage Software, at

**Getty Images**

601 N.34th Street

Seattle, WA 98103

January 2009 – March 2009

**Title**: Software Developer

**Duties**: Using strict Agile methodologies work with stories, provide effort estimations, code solutions using **WCF, Web Services, C#, T-SQL (2008)**. Utilize Test Driven Development methodologies to create unit and integration tests before, during and after coding solutions, maximizing code coverage and minimizing error conditions. Communicate and document project status. Seek and provide assistance from/to other developers to accomplish goals. Recommend process improvements. Document tribal knowledge on Wiki to make the ramp up of new employees faster and less expensive.

Excell Data, at

**Microsoft Corp.**

1 Microsoft Way

Redmond, WA 98052

October 2007 – Nov 2008

**Title**: Solution Architect

**Duties**: Develop a fully database configurable distributed multithreaded Windows service to copy large log files from MSN log servers, process them as needed and insert them into a distributed file system cluster (Cosmos). Created web interface for generating new jobs and viewing reports. Created database core for receiving status from and posting job definitions to multiple processing machines. Monitored status of servers to assure consistent data flow and loading. Technologies used included extensive **T-SQL**, multithreaded **C#, ASP.NET**, distributed processing, Windows Service, graphics processing (C#, .NET), command-line batch files, CScript files.

**Intava Corp.**

411 108th St

Bellevue, WA 98004

Sept 2006 – October 2007

**Title**: Development Manager

**Duties**: Manage the front end development teams including Flash and Scripting teams. Architected a new framework codenamed Sphira to create an easily maintainable updatable Flash application. Set up interview loops, interviewed, negotiated salary, approved hires and terminated employment for the development teams. Wrote multiple single and multithreaded helper applications to support build system and production teams using **C#**, **Jscript**, **T-SQL** and **Actionscript 2.0**. Defined processes and procedures. Structured source control system. Performed performance reviews. Worked with contracting companies for short and long term supplemental resourcing. Worked with test and program/project management teams to ensure all projects were shipped with high quality and on time.

Volt Technical, at

**Microsoft Corp.**

1 Microsoft Way

Redmond, WA 98052

Sept 2005 – Sept 2006

**Title**: Solution Architect

**Duties**: Recommend, schedule meetings for, lead and implement process improvements to streamline development efforts. Maintain, redesign and implement large scale database for maintaining huge amounts of result data (150 million or more rows). Code scraping algorithms using **WebQL** and **C#**. Write custom **SQL 2005** functions for regular expression parsing, file system access, data import using SQL CLR integration. Perform QFEs (Quick Fix Engineering) on existing MSN Search internal tools. Code new and fix existing ASP.NET 2.0 internal facing web applications, multithreaded Windows services and database solutions using **C#, ADO.NET, XML, XSL, T-SQL**. Developed new console and Windows tools as needed. Generate reports for MSN Search management classifying BOT types and optimize code for detection of spam and BOT attacks. Design and develop tools, sample code and cmdlets for Monad, a new Microsoft command shell using C# and .NET 2.0. Created multithreaded Windows service for monitoring and emailing file and directory changes.

Redmond Technology Partners

**Applied Discovery**

1975 112th Ave NW Ste 203  
Bellevue, Washington 98004

January 2005 – September 2005

**Title**: Lead Solution Architect

**Duties**: Create technical design proposals for new projects for Microsoft and other clients. Create technical design documents for small to large scale projects. Code new solutions using Microsoft development tools including **T-SQL, ASP.NET, C#, XML, XSL, DHTML, AJAX**. Oversee employees and contractors coding my solutions. Assist/mentor junior developers. Attend sales meetings to explain and interpret requirements and solutions. Estimate work efforts. Create and organize common reusable code libraries. Monitor and maintain project schedule and document work status.

Murphy & Associates

**Alaska Airlines**

20313 28th Ave S

Seattle, WA 98188

June 2004 – December 2004

**Title**: Software Development Engineer

**Duties**: Edit existing and code new solutions using **ASP.NET**, T-SQL, **XML/XSLT**, COM**, AJAX**, VBScript and VBA using the Agile methodologies. Document existing solutions. Suggested process improvement methods to streamline development and optimize code. Implemented in-house site reverse-engineering code to expose site object model to intranet. Assist and train other less experienced developers as needed. Worked with Informix and SQL 2000 databases. Wrote cross-browser Javascript code for dynamic UI where necessary. Followed documented functional specifications and created code to spec.

Volt Technical, at

**Keynote Systems Inc**

1218 3rd Ave

Seattle, WA

March 2004 – June 2004

**Title**: Software Development Engineer

**Duties**: Installed, configured, secured test / dev Win 2k **SQL** servers. Repair existing legacy **ASP** pages and created new **ASP.NET** pages for existing site. Create new and repair existing SQL **stored procedures**. Create new pages and tools for publishing web and SQL content from dev to staging to production. Decreased home page load times from 35 seconds to 3 seconds using **XML/XSL**. Organized VSS structure and implemented software development processes and procedures. Document new procedures and trained existing developers. Recommended and implemented changes to speed code across site. Wrote technical specifications for new and existing web pages. Created test specifications for site and implemented testing processes.

Volt Technical, at

**Microsoft Corp.**

1 Microsoft Way

Redmond, WA 98052

March 2003 – March 2004

**Title**: Software Development Engineer

**Duties**: Write physical specifications for updates to existing code base. Write new / update existing code using **T-SQL, C#, .NET, XML, XSL, ASP, ADO, COM, JScript, CSS, AJAX**. Design and document **Standard Operating Procedures** for development and test teams. Set up, configure and monitor development, test and production Windows 2003 **IIS** and **SQL 2000** environments. Perform unit testing. Enter and resolve defects in **Product Studio**. Check in and out sorce code from **Visual Source Safe** and **Source Depot**. Communicate code estimates and status to group lead. Assist other developers. Fix defects in all developed / existing code. Wrote tools used by many other groups within Microsoft including IIS log to SQL importer / normalizer. Fix defects in all developed / existing code. Propose methods for speeding up code. Write asynchronous client-side code using XML/XSL, behaviors.

Volt Technical, at

**Boeing**

19000 NE Sandy Blvd

Portland, OR 97230

November 2000 – March 2003

**Title**: Software Development Technical Lead

**Duties**: Manage the web development group at the Boeing Portland facility. Schedule and prioritize new project development and existing product versioned releases. Write numerous self-sustaining IIS solutions using **Java, JavaScript, VBScript, ASP, WSH, ADO, T-SQL / SQL Sever, CSS, COM, and XML/XSL/XSLT, AJAX**. Utilize **VSS** for source code control to track code changes. Create innovative solutions for **integrating legacy systems** and allowing communication via standard protocols such as **Telnet3270** to IIS/SQL servers (Java). Modify existing applications to minimize complexity, enhance efficiency and maximize cost savings while making them self-sustaining. Approve and schedule training for all developers. Set and maintain development processes, procedures and standards. Maintain project status documents and verify schedule conformity. Perform code reviews and assist new developers in learning best programming methods including modular development, enhancing for reusability, code commenting, version control, server load optimization and code speed. Handle multiple personnel issues. Maintain detailed employee records. Maintain constant communication with internal and external customers. Discuss and debate schedule and prioritization. Adjust work schedules for employees. **Train** and answer coding questions for development staff. Perform software development duties as described by the previous position. Senior web development engineer. Develop new and redevelop old sites using fast, efficient, well-organized, documented code. Create common, reusable components to minimize development effort and maximize reusability, server/network bandwidth. Design, develop and maintain computing systems to deliver data through the Boeing Partners Network publicly and locally via the intranet. Design cross-browser cross-platform solutions for Netscape, Internet Explorer, laptops, desktops, servers, and Ipaq machines. **Test** all solutions for security, functionality, and content on all platforms. **Communicate** project status, development activities and deliverables with project owners, management and end users. Suggest new coding techniques and implement new standards for the development team. **Assist and train** both local and remote developers in proper coding techniques through classroom training and a long list of public discussion forums in subjects such as **IIS, ASP, VB, XML/XSLT and SQL**.

Volt Technical, at

**Microsoft Corp.**

1 Microsoft Way

Redmond, WA 98052

Apr 2000 – Nov 2000

**Title**: Web Developer

**Duties:**  Senior web development engineer. Develop server and client based JScript functions, demos, and front end for the new Windows 2000 Management Portal. Work heavily with the WbemScripting objects client and server side, XML DOM, and SQL Server. Create asynchronous calls to the WbemScripting objects to retrieve server information and display as either graphics or text. Propose and implement new object-oriented UI designs and enhancements. Streamline and improve efficiency of all code. Assist Windows 2000 MMC development staff. Wrote auto scroll scripting engine for MMC 2.0 console. Administer VSS database for source control. Repair any defects. Implement object-oriented asynchronous JavaScript source designs to modularize UI components, remove any interdependencies, and develop a fully customizable, efficient web portal.

**Primex Aerospace**

Redmond, WA 98052

Sept 1999 – Apr 2000

**Title**: Webmaster/Web Developer

**Duties**: Specify, design, publish, program, and test corporate Intranet site using extensive **SQL 7.0**, **HTML**, **DHTML, AJAX**, **XML**, cross-browser compatibility, UNIX, **ASP**, CGI, C++, Perl, **CSS**, **VBScript** (client and server), behaviors, **CDONTS**, and **Jscript** (client/server side). Meet with management and end users to design smart, user-friendly web pages for the sharing of public and private corporate data. Design templates to standardize the web look and feel. Reverse engineer the existing abandoned web to retrieve necessary data. Introduce dynamic web based SQL queries for the retrieval and reporting of data. Recommend, install and configure hardware and software (**IIS 4**, **SQL**, etc) components to support the Intranet framework. Develop internal portal site for user configurable home pages for more than 800 users. Monitor and repair any existing code as well as new code. Gather feedback to enhance usability where needed and update page design. Create web-based administration tools to support/report web / server status, hit counts, user counts, user history, security violations, etc.

Volt Technical, at

**Microsoft Corp.**

1 Microsoft Way

Redmond, WA 98052

April 1997 – Sept 1999

**Title**: Rankings Operations Manager, Software Developer in Test, Web Administrator

**Duties**: Install, troubleshoot and monitor performance of **SQL 6.5** and **7.0** servers. Create web-based reports for throughput, accounting and general statistical information using **HTML**, **DHTML**, **Javascript**, XML, **VBScript**, **CGI**, **Perl**, and **ASP**. Develop multiple routines / **stored procedures** in SQL 6.5 and 7.0. Refine, develop, test VB application used to publish all Microsoft external web sites to Search Engines, improve operations throughput, and increase web site rankings. Increased Microsoft referral revenue by more than $1M per year in the first 60 days. **Manage** all operations aspects of the rankings project. Organize test and development staff efforts. Verify proper test coverage of product. Monitor development and test, suggest new features for ease of use and efficiency. Verify implementation of such changes. Design reports to accurately display current functionality, history and error conditions to the marketing, web design, test, and development groups. Develop tools to optimize the efficiency of the system and work around development shortfalls using **Visual Basic, Visual C++, PERL,** and **Transact SQL**. Write development specifications and web pages describing all tools. Publish operations flowcharts and schedule meetings for and train in tool functionality. Develop web pages for internal use by the **www.Microsoft.com**, WeWeb, MSNSearch, psbops, and ITGWeb teams. Left due to division reorganization; position was no longer challenging with new duties/management.

**Education**

Volt Technical Training, Redmond, WA: Effective Delegation

Microsoft University, Redmond, WA: Developing Windows Applications in C

Microsoft University, Redmond, WA: Object oriented design in C++

Intel University, Hillsboro, OR: Effective Meetings

Intel University, Hillsboro, OR: Improvement Strategies

Intel University, Hillsboro, OR: Constructive confrontation

Sacramento City College, Sacramento, CA: Novell Network Administration, C programming, software development.

Sacramento Sheriffs Academy, Sacramento, CA: Law Enforcement

Yuba College, Marysville, CA: Electronics Engineering, Computer Science