# Eric Williams

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## Summary of Qualifications

13 years of practical .NET experience building front-end and backend systems 11 years building and maintaining web applications 14 years combined experience building integrated solutions, custom components and libraries, vendor supplied applications, web services and message queuing technologies. Strives daily for continuous improvement and learning by way of community participation of both physical and virtual user groups, teaching others new techniques such as SOLID principals and Test Driven Design. Attempts to apply this knowledge on a daily basis.

## Professional Experience

### Royal Jay, Boise, Idaho, 2014 - 2015 - Senior Software Engineer

Implemented landlord renter site that allows landlords to manage rental properties as well as handle rental property applications. The site also allows renters to submit applications and credit checks via credit agency API.

API lead for the cloud base SaaS electronic health record direct messaging platform. Was responsible for overseeing API rewrite to better enable 3rd party integrators to leverage the platform API. Designed and supported API Developer Portal which provided documentation, example scripts and working code examples. Also provided direct support for 3rd party integrators.

### Sycorr, Fargo, North Dakota, 2013 - 2014 - Senior Software Engineer

Responsible for implementing a virtual marketing engine. System consists of user-defined client search providing dynamic datasets to specific marketing campaigns. Build backend notification system will allowed for rules based delivery to customers.

Implemented insurance agent web site procurement platform. System allowed agents to select high level theme and content information, select a custom domain name and publish the site with a one-click operation. Leveraged domain reseller and content management platform APIs.

Redesigning and implementing company continuous integration and continuous delivery system. This includes a conversion to distributed source control and automated deployment components.

### intraLogix, Missoula, Montana - 2011 – 2013 - Senior Software Engineer

Developer for a coal / fuel delivery analytics system. This was a project which was a takeover from a previous developer in which we took the project to completion. System was responsible to integrating with external datasources into the analytics system to report usage, abnormalities and cost information to the Colstrip Plant owners.

Developed public facing web site for local Missoula construction company. Site leveraged Orchard CMS with a custom module which supplied employees with streaming video training and operator qualifications questionnaire.

Developed public facing web site for TixNix.com (defunct). This project was a rewrite from a legacy cold fusion site which enables traffic offenders to request a inquiry from a pool of traffic attorneys. The site leveraged a front-end queuing mechanism for load balancing as well as back-end messaging to handle admin, attorney and client notifications.

Developed public facing Family and Friends photo and health points sharing site for a local in-home health care provider. This site integrates with their current back and enables clients to share current photos and health care stats to family members and friends. REST services are leveraged to initiate sharing, membership activate and ultimately the sharing of the photo and other data. Also implementing continuous integration and as well as migrated customer source code and process to Github.

### GCS Research, Missoula, Montana - 2010 – 2011 - Senior Software Engineer

Lead developer for a web mapping application for the City of Lethbridge Alberta Canada - http://www.chooselethbridge.ca/map. The site leveraged ArcGIS Server technologies by integrating ESRI REST API with Google Maps. The application enables users to enable features such as overlays, business clusters, base maps and search functions

Lead developer for geospatial content management system and integration project for the International Atomic Energy Agency (IAEA) which is a sub-division of the UN General Assembly and Security Council) using ESRI desktop applications, Python (arcpy), WCF, SQL Server and ARC GIS

Server.

### NW Natural, Portland, Oregon - 2007 – 2010 - Lead Developer – Internet Services

Primary developer in public facing customer self service web site rewrite. Technologies and techniques being applied include Asp.NET MVC2, WCF, StructureMap, MOQ and a third party content management system. A Decoupled and testable design are primary concerns with this project to keep costs down for future releases as well as maintenance. As one of the subject matter experts on the team I also am working with design agency to incorporate their UI and information architecture designs into the Asp.NET MVC2 framework being used on the project. Usability and accessibility are forefront concerns in this area of the project. Maintains current asp classic / vb6 customer self service web site.

### NW Natural, Portland, Oregon - 2007 – 2008 - System Architect – Special Projects

Redesigned & Architected NW Natural's Locates Request Management System incorporating new changes available from One Call Concepts Xml format. Built and designed integration with GIS system to add asset specific information to the Locate request in order for workforce management systems to make better decisions with the work field user and contractors do. System also handles transmission and receiving of contractor work, printing and emailing necessary information to NW Natural engineers and dispatchers. Overall new system saved the company money by enhancing the information contained in the request before the workforce management system ever received it.

### NW Natural, Portland, Oregon - 2000 – 2007 - Application, Systems Design, Development & Support

Working on two Workforce Management Systems, one thick client and one web client based. Built interfaces for both system leveraging XML, MQ and BizTalk Server as well as custom code. Risk/Land and Locates System – Risk/Land is a VB6 client database application and the third component, Locates, also includes a server component for receiving Locate Request from One Call Concepts and interfacing to a Workforce Management System as well as contractors. Other duties include but not limited to: support MQ Messaging, wireless, paging and callahead components of the Workforce and Construction Management Systems.

### EarthLink, Billings, Montana - Feb 2000 – Nov 2000 - Web Development & Support

Worked with private and commercial customers in designing, building and maintaining their online presence with graphic design and site layout.

### Montana Communications Network, Billings, Montana - Mar 1998 – Feb 2000 - Tech Support – Web Development & Support

Worked with private and commercial customers in designing, building and maintaining their online presence. Started job in technical & customer support for dialup customer. Troubleshooting network setup to general computer usage.

### Open Source

- EasyPost-dotnet REST client https://github.com/EasyPost/easypost-dotnet-v1
- Gaug.es-dotnet REST client https://github.com/sycorr/gauges-dotnet
- T4-Appsettings https://github.com/motowilliams/T4-AppSettings / http://www.nuget.org/packages/T4AppSettings/

### Competent or past experience with the following:

ASP.NET MVC - ASP.NET Web API - Powershell - WCF - C# - StructureMap - Autofax - Unity IoC - Entity Framework - NHibernate - HTML - CSS - FakeItEz - Xunit - NUnit - javascript - AutoMapper - SQL Server - DB2 - Linq2SQL - Paint.net - Inkscape - WebSphere MQ - Microsoft Reporting Services - MSMQ - Adobe Photoshop - BizTalk Server - Unix & shell scripting

Continuous Improvement Member of Stackoverflow.com / SuperUser.com / ServerFault.com [motowilliams] as well as the Montana Programmers Meetup Group

Interests in Test Driven Design, Behavior Driven Development and Domain Driven Design. *References available upon request