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# OBJECTIVE

To procure a software development position where I can leverage my skills combing web services with web applications. I specialize in building Microsoft API’s to power modern ASP.NET web applications that I build.

Please note: I am only interested in Eastside Seattle metro area or remote FTE roles at this time.

# OVERVIEW

* Experienced in developing enterprise class software with the latest technologies including .NET Core, REST/JSON, TDD and unit testing.
* Knowledgeable in test-driven enterprise class web and web services development.
* Service oriented architecture experience utilizing Windows Communication Foundation (WCF), REST and other integration tools.
* Understanding of developing in a continuous integration team context using modern source control technologies such as GIT, Bamboo, Azure DevOps, Team Foundation Server, nUnit, MSTest and Subversion.
* Able to convert legacy web technologies to modern architecture.
* Experience with leading offshore teams.
* Deep understanding of the SDLC and Agile methodologies.

**TECHNICAL HIGHLIGHTS**

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| --- | --- |
| Languages: | C#, HTML 5, T-SQL, JavaScript, JSON, CSS, XML, YAML |
| Technology: | .NET Core 3.1/Core 2.2/.NET 5, .NET 4.7/3.5/2.0, Web API, REST/JSON, ASP.NET MVC, ASP.NET Web Forms (MVP), WCF, ADO.NET, Microsoft Azure, JQuery, Bootstrap, LINQ, SOA, gRPC |
| Database: | SQL Server, SQL Server Integration Services |
| Multimedia: | Adobe Photoshop, Power BI  |
| Software: | Visual Studio 2019, Azure Devops, GIT, Team Foundation Server, Bamboo, Bitbucket, Subversion,Tortoise, Xunit, NUnit, MSTest, Spring.NET |

**RECENT EXPERIENCE**

**ApTask (Fiserv)**  June 2021 – Current

Software Developer IV

* Worked on upgrading the Bank of the West’s (through Fiserv) current website to comply with American’s With Disabilities Act (ADA) standards.
* Contributed to the Digital Intelligence Collections project at Bank of the West to offer help to those affected by the Covid Pandemic.
* Found and reported security issues while working on code.
* Trained on and learned Fiserv’s complex high transaction, high security banking software.
* Passed Federal fingerprinting background check to allow me to work on highly sensitive systems.
* This position is fully remote.

**TCS (Liberty Mutual Insurance)** May 2019 – June2021
Software Consultant

* Worked onsite at Liberty Mutual Insurance (a Fortune 100 company) designing and developing their next-gen auto quote rating services in order to migrate off of their 30 year old IBM mainframe into microservices.
* Used .NET Core Inversion of Control principles to allow the software to be powered by either flat files or Azure SQL server.
* Developed Web API based RESTful services to communicate and authenticate with third party enterprises and internal legacy software.
* Used .NET Core 2.2, Core 3.1 and now .NET 5 to build out test driven C# libraries to take advantage of new features and integrate with their existing .NET Framework code.
* Implemented OAuth 2.0 for security between microservices.
* Developed Threat Models which were approved by Liberty’s security teams.
* Application hosted exclusive on Microsoft Azure using App services; they are built and deployed with Bamboo ARM templates. Auto-scalability based on memory and CPU pressure is built-in.
* Built CI/CD Pipelines with both Azure DevOps and Bamboo using YAML.

**Birding.Company, Inc.** October 2016 – March 2019

Co-Founder

* Built "social entrepreneurship" e-commerce site using Shopify and their Liquid language for environmental causes.
* Built custom features with JQuery and JavaScript.
* Used HotJar and Visual Website Optimizer to raise the conversion ratio from 0.54% to over 2.5%.
* Built and tracked campaigns using Adwords and Google Analytics.
* Gathered over 1,100 Facebook followers since launch.

**Insys Group (Optum)** February 2016 – November 2016

Software Developer

• Worked on maintaining enterprise class software in that allows the healthcare industry to easily generate highly customizable health insurance quotes. This web 2.0 software makes heavy use of C#, jQuery, ASP.net MVC, Bootstrap, LESS, JSON, WCF and the nHibernate OR/M.

• Worked on a templating engine plugin using Microsoft Word to generate the templates, and the expansive OpenXML library to parse the templates, generate quote forms and populate them using Stepwise data and Excel-like data functions.



**BECU (Boeing Employees Credit Unit)** October 2012 – February 2016

IT Application Developer

• Instrumental in implementing new service oriented architecture using WCF and C#. Introduced inversion of control principles and (true) unit testing to the team.

• Helped implement BECU's lobby management solution using WCF, MVC, Web API, HTML 5 and Knockout JS.

• Built secure password and username recovery tool using MVC 5 and Bootstrap.

• Worked on customizing the enterprise-class Fiserv online banking software - including replacing social security numbers with other self-identifying features during sign-up.

• Built a Web API solution that uses BING map’s REST API and the HUD’s REST API to aggregate data and automatically locate providers near zip codes.

• Assisted building a tool to automatically close accounts across a wide variety of systems simultaneously.

• Integrated the Customer Service Representative web-based software tool with various banking and in-house systems through SOA based architecture.

**Knowledge Universe (Kindercare Learning Center)** September 2009 – September 2012

Lead Software Developer

* Senior software engineer and team lead on the multi-million dollar KU-Care project.
* Helped implement model-view-provider design pattern in C# and test driven development (N-Unit and Rhino Mocks) in KU-Care applications.
* Integrated Log4Net logging in KU-Care – including a acustom SOAP-based notification service.
* Lead the conversion of the existing ASMX web services to WCF.
* Built Subversion source control server and Singapore-based SVN mirror.
* Setup Apache ActiveMQ message queuing server.
* Maintained CruiseControl.NET continuous integration server and NAnt build scripts.
* Lead first IBM Cast Iron integrations, including building custom logging and auditing orchestrations.
* Built SalesForce.com to Informix orchestrations using IBM Cast Iron.

**Earth Class Mail** September 2007 – June 2009

Senior Software Engineer

* Assisted with the conversion of the entire Earth Class Mail platform from a LAMP based system to a modern .NET 3.5 system (C#). Heavily involved in implementing the new ASP.NET user interface as well as the new WCF-based accounts and signup services. Data access layers use LINQ exclusively.
* Developed dynamic enterprise password policy system using the provider model. Implemented new brute-force attack protection logic using a distributed cache system.
* Responsible for designing and implementing the time localization library to globalize dates and times throughout the entire platform.
* Developed a new version of the multi-threaded WPF application that allows enterprise users to download mail PDF scans in bulk both remotely and securely.
* Migrated the Manual Mail Delivery system from ASP.NET AJAX to JQuery AJAX to allow for higher performance for offshore employees using slower connections. Developed JSON WCF web services that power the hotkey-enabled AJAX front end. Resulting application performance improved by over 150% resulting in substantial cost savings.
* Designed and implemented the “Enterprise Delivery” system which stores custom recipient information to be associated to each account. This allows for more complex delivery and routing scenarios for large businesses.
* Designed and implemented the “Address Based Delivery” system which allowed for private mailing addresses to be associated with large business accounts. Work included web-based interfaces that allow customer service to manage the private delivery addresses on a per-facility and per-account basis.
* Wrote interfaces to both the FedEx and USPS rate-shopping web services that power shipping estimation quotes throughout the entire platform.
* Assisted in the implementation of advanced role-based security throughout the entire platform.