Guy Guzman

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Summary

I am a senior level full-stack Microsoft developer and business analyst and have been developing with the .NET framework since 2002.

I have done extensive business process and workflow analysis. This includes abstracting complex investment structures, business process mapping, workflow redesign, recommendations to the client to improve efficiency.

My core technical strengths are ASP.NET, Microsoft SQL Server, C#, Windows WPF, Windows Forms, T-SQL, WCF, HTML, JavaScript, JQuery and CSS. I am coming up-to-speed on .NET Core.

Experience

State of Nevada

Oct 2012 – Present

Application and database architect, as well as developer, for the entire Medical Marijuana program for the State of Nevada. This is an ASP.NET application developed with C#, Entity Framework 6, Bootstrap, Visual Studio 2017, SQL Server 2014 and Telerik controls. It is hosted on Microsoft Server 2012 using IIS 8.5.

This development effort involved extensive and continued interaction with staff and stake holders to understand and document the exact business requirements and workflow before development began.

The Medical Marijuana program in the State of Nevada consists of establishments (cultivation, production, laboratory and dispensary) and patients. Each establishment, agent (an establishment employee, owner, officer and board member) and patient is approved by the state. Every establishment, agent and patient is renewed on a yearly basis and every agent and patient receives an identification card (similar to a driver's license).

The Medical Marijuana web site allows individuals employed in state certified medical marijuana establishments to apply online and upload related documents (including photograph and signature). It also allows Medical Marijuana patients to apply online and tracks patient sales.

The ASP.NET Medical Marijuana application consists of four main parts: Agent Registry, Patient Registry, Patient Sales and Administration. The Registry sections are where applications are submitted and payment is accepted. The Administration section is where State staff approve applications, manage card printing, track applications, generate reports, etc. Reporting is done through SSRS (including embedding SSRS reports within the ASP.NET application).

I have also upgraded an existing ASP.NET application with additional features and security enhancements. This was a public facing site that managed services for NEIS (Nevada Early Intervention Services). This was a SQL Server 2008R2 database.

Created a new ASP.NET application for managing the SeniorRx (providing seniors with prescription and dental assistance) program. This was developed in C# with Entity Framework and used Foundation (CSS framework) as well as Telerik controls. Database services were through a SQL Server 2012 database. I designed the application, database schema, gathered requirements, made recommendations and determined exact business requirements.

Data transformations, uploading text files to the database, extracting data to text files for download, SSIS packages, C# coding for data uploading and downloading, saving and reading text and XML files.

Dental Investment Group

Oct 2010 – Mar 2012

Dental office software developed using WPF and SQL Server that provides support for billing, collections, treatments plans, insurance payments, patient scheduling, inventory tracking and ordering, clinical information and financial status of practice (revenue, profits, profit by procedure, costs, etc.). This is a product set to be marketed.

St Francis Career College

Lynwood, CA

Aug 2010 - Nov 2010

I developed a data-analysis software application for statistical analysis of student data designed to meet federal reporting requirements. The application was developed using WPF, C#, LINQ with SQL Server as the database. I used Visual Studio 2010, Microsoft Expressions Blend 4 and Telerik WPF controls. I wrote stored procedures to support the application. Reports were also developed in Crystal Reports.

Alcone Marketing

Irvine, CA

Jul 2010 - Sep 2010

I developed browser-based reporting capability for an LG Electronics cellular phone recycling web site. I used ASP.NET, LINQ, CSS, VB.NET and jQuery to develop pre-built reports as well as an ad hoc query screen where users could select both criteria and report columns.

Gardena Memorial Hospital

Jun 2009 - Jan 2011

I developed a browser (ASP.NET) application to track actual labor hours versus industry standard labor hours on a daily basis across all hospital departments with multiple layers of reporting.

Tehachapi Valley Healthcare District

May 2005 – Jul 2008

Spent one year restructuring and reorganizing the hospital's IT department. This included adding new servers, installing Microsoft Exchange, documenting the network, adding security, ensuring data backups, documenting processes, establishing VPN connectivity, adding network hardware and more similar tasks,

I developed two desktop applications using some combination VB.NET, C#, LINQ, Windows Forms, WPF and Telerik controls. I gathered business requirements with analysis and documentation for the design of applications providing integrated views of multiple medical data sources including laboratory, medical records, radiology and demographics.

I architected a SQL Server database for integration of data from multiple legacy sources using SSIS and custom code.

I developed a data warehouse (fact and dimension tables) of medical and financial information using SSIS (2008) and T-SQL. Using this data warehouse as a source, I developed OLAP capabilities using SSAS (2008) with Excel pivot-tables as front-ends to the OLAP cubes.

Weyerhaeuser Realty Investors (WRI)

Seattle, WA
Apr 1989 - Dec 2004
Consultant (Contract)
Database Architect and Systems Analyst

I was engaged in a central role for the company as a data systems analyst concerned with enterprise strategy, requirements gathering, analysis and documentation. In addition to architecting solutions, I also performed system analysis, offered technological solutions, kept abreast of new technology (software and hardware) and provided overall direction for the company from an IT perspective.

This subsidiary of Weyerhaeuser is a financial services company brings together large investors for equity and second-trust-deed financing for home developers. I developed their first database program in 1996 using Microsoft Access. This allowed the company to regularly consolidate financial information about equity and debt residential housing portfolios from Excel workbooks and JD Edwards into a database to perform forecasts looking as far as 10 years forward. The scope of this program continually evolved to include income statements, balance sheets, ROI and breakdowns by investor. This program was moved into a .NET and SQL Server environment using VB.NET in 2003.

In moving to the .NET environment, I worked with the business groups to understand business processes, information flow between business processes and the overall enterprise strategy. I also gathered and documented workflow within and between business units. I documented these processes and generated a Functional Specification and a SRS (Software Requirements Specification).

In 2003, I architected a data warehouse and OLAP solution using SQL Server technologies. This integrated data from a JD Edwards accounting system, mortgage tracking software and financial analysts Excel workbooks. Excel pivot-tables and a browser-solution were used as interfaces into the OLAP system.

I served as the technical team lead for .NET software development as well as the data warehouse and OLAP project. Other members included staff from Weyerhaeuser Corporate IT and consultants from Wipro (India).

Education

University of Notre Dame

Notre Dame, IN

Physics, M.S.

Loyola Marymount University

Los Angeles, CA

Physics, B.S.

Skill Set

Technical

- Microsoft C# (8 years)
- Microsoft VB.NET (4 years)
- Microsoft .NET 2.0, 3.0, 3.5, 4.0 and 4.5
- Microsoft ASP.NET (12 years)
- Microsoft Visual Studio (12 years)
- Microsoft Entity Framework (5 years)
- Microsoft LINQ (5 years)
- Microsoft WPF (2 years)
- Microsoft AJAX
- Microsoft ADO.NET (8 years)
- JavaScript, CSS, Bootstrap and jQuery
- Microsoft SQL Server 2000, 2005, 2008, 2014 (15 years)
- Microsoft SQL Server Integration Services (SSIS) (10 years)
- Microsoft SQL Server Reporting Services (SSRS) (10 years)
- Microsoft SQL Server DBA Tasks including Security, Stored Procedures, Query Optimization
- Microsoft T-SQL
- Microsoft TFS (8 years)
- Git (4 years)
- Database Architect (8 years)
- Database Applications (16 years)
- Telerik Controls
- Aspose .NET Controls
- Design Patterns (MVVM)

Business and Project Related

- Requirements Gathering, Analysis and Documentation
- Project Documentation (Functional Specification, Software Requirements Specification)
- Enterprise Data Analysis
- Business Process Flow Analysis and Documentation
- Excellent Written, Verbal and Interpersonal Skills
- Experience with Health Care and Financial Systems