

ERIC A. SMITH

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HIGHLIGHTS

I have been a professional software developer since 1993 and have focused primarily on the Microsoft .NET platform since its release in 2001. I have worked both as a full-time employee and contractor at a variety of industries and client sizes. I have both participated on and led teams in both small and large development projects. I also have extensive experience in the web hosting industry, having offered web hosting as part of my business until 2012. I have also authored books and articles on Microsoft technologies.

RECENT PROJECTS

Project Resource Management System

Jul 2015 – Feb 2017

Sr. Software Engineer

The client is engaged in highly technical manufacturing and frequently interacts with government contract agencies. One key requirement of the US DoD is to track Earned Value Management (EVM) throughout the product development cycle. The PRMDS system, built on the Artemis 9000/EX system, tracks time across hundreds of charge numbers. Many of the reporting tools are currently in Microsoft Excel, my role is to convert as many of these into modern web-based tools to aid in the maintenance and feature rollout process. These web applications are built using ASP.NET, C#, Visual Studio 2013, with Oracle 11 as the back-end database.

Oil Field Services Asset Management

Aug 2014 – May 2015

Architect

The client is a support and transportation company servicing hundreds of oil wells and drilling sites in the Bakken oil fields of North Dakota. The system allows them to see locations of their assets (trucks, tanks, etc.) and then dispatch work orders to vehicles to pick up water, oil, and so on. The system is built on top of the Microsoft Dynamics CRM 2013 system using a combination of ASP.NET MVC 5, WebAPI, KnockoutJS, Bootstrap, jQuery, and several open source components.

Direct Mail Marketing Integration

Feb 2014 – Aug 2014

Architect

The client is engaged in direct mail and is in the process of integrating their print capabilities with software that allows marketers to manage the entire engagement with their customers, allowing the marketer to choose to send printed materials in addition to electronic materials. The system is being built using ASP.NET, Microsoft Azure technologies, C#, and some proprietary components.

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Claims Processing and Approval System

Dec 2012 – Feb 2014

Architect

The client is responsible for utility locates across the United States and Canada. The system tracks damage to utility equipment from the initial notification, through the investigation process, through a multi-tier claim approval queue, and possibly through the legal process. Routing is performed using a combination of custom logic and the k2 blackpearl workflow engine. The system was built using ASP.NET/Visual Studio 2012, SQL Server 2012, Entity Framework 5.0, and k2 Blackpearl 4.6.6.

Health Care Registry Data Management System

Jan 2012 – Dec 2012

Lead Developer/Team Lead

This system was designed to allow the client to collect data at the point-of-care to be sent to health care registries run by the American College of Cardiology (ACC), American Heart Association (AHA), and other organizations. Each registry defined datasets with validation rules that could change with each version. The automated system we built replaced the paper forms that healthcare providers completed by hand. The system was built using ASP.NET/Visual Studio 2010, SQL Server 2008, WCF/Ajax, and a series of JavaScript client-side frameworks including handlebars, knockout.js, and the Twitter bootstrap framework.

Salesforce.com E-mail Marketing Integration Project

Sept 2011 – Feb 2012

Architect

The client provides e-mail marketing services to businesses worldwide and wanted to provide easy integration with Salesforce.com for its customers. I designed an integration system that kept a customer's leads and contacts in sync with its mailing lists by using Salesforce.com's API calls made from a Windows service installed at the client's data center. In addition, I built an Apex application hosted within Salesforce.com to call out to web services on the client's server to make these e-mail requests, including a preview feature to show a fully-formatted e-mail message. System was built using ASP.NET 2010, SQL Server, Salesforce.com API and Apex programming platforms.

SQL Server Database Enhancement Project

July 2011 – Sept 2011

Architect

The client provides order fulfillment and logistics for a number of e-Commerce companies. The work I performed allowed them to better track order status changes during the life of a transaction. I created a series of triggers and tracking tables that updated as an order moved from creation through the fulfillment steps. I then created reports to provide executive summaries and details to improve order throughput and efficiency. The work was done using SQL Server 2008 and SQL Reporting Services.

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Hospital Finance, HR, and Supply Chain Integration Project

Jan 2011 – June 2011

Technical Lead

The client is a parent company is a non-profit company that operates a network of hospitals and related health facilities in the United States. The project was designed to streamline business operations in finance, human resources, and supply chain management. I was responsible for building translation interfaces to take data from internal hospital systems. and convert that data through the use of the eGate JCAPS software. I also built a SQL Server Integration Services package to process data that was shared across all the hospital system interfaces that the team built.

Pharmaceutical Managed Care Rebate system

Feb 2009 – June 2010

Technical Lead

We created the Managed Care Rebate (MCR) project to implement a Contract Management and Rebate Payment system. The implementation relied on a mix of technologies including Microsoft VB.NET and IIS for the Web Portal, SQL Server for the database and Microsoft Reporting Services for Data Analysis and Reporting. MCR consolidated 60 Access databases from as many data sources and provides business analysis and reporting across contracts. The application is still in production and receives periodic enhancements to stay current with the client's business needs and software upgrades.

Business Intelligence and Reporting solution

Dec 2007 – Dec 2011

Lead Developer

The client is a manufacturer of large-scale medical testing equipment that is typically located in large hospitals and lab facilities. The client uses SAP for their finance capability; however, the data available from SAP was not made available in a fashion suitable for reporting and business intelligence purposes. I built a series of applications using ASP.NET and SQL Server to better present this data for reporting and tracking purposes. I worked at this client initially from December 2007-February 2009. I returned in June 2010 and stayed through January 2011.

Student Loan Consolidation system enhancements

Jan 2006 – Oct 2007

Lead Developer

Enhanced three ASP.NET (v 1.1) applications used for student loan consolidation with changes to comply with governmental regulations and market conditions and competition. Designed and developed new batch-scheduled application in Visual Studio 2005 and C# to accept loan consolidation requests from trading partners using an XML schemas and input/output files. Application efficiency allows hundreds of applications that were previously hand-keyed to be processed in just a few minutes.

Additional Project History available on request

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EMPLOYMENT HISTORY

Northstar Computer Systems LLC <i>President</i>	Fishers, Indiana Jan 1999 – present
Stratusi <i>Software Architect</i>	Brownsburg, Indiana Aug 2014 – May 2015
Centric Consulting <i>Architect</i>	Indianapolis, Indiana Dec 2007 – Aug 2014
Information Strategies <i>Senior Consultant</i>	Washington, DC Sept 1997 - Jan 1999
inquiry.com <i>Senior Consultant</i>	San Mateo, California Oct 1995 – Sept 1997
Andersen Consulting (now Accenture) <i>Senior Consultant</i>	Chicago, Illinois May 1993 – Oct 1995

EDUCATION

Purdue University Bachelor of Science, Computer Science, May 1993	West Lafayette, Indiana
Microsoft Certified Professional Program	
Microsoft Certified Solution Developer (MCSD)	1998
Microsoft Certified Systems Engineer (MCSE)	1999
Microsoft Certified Database Administrator (MCDBA)	2005

Publication history and certification list available on request