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⊰ Jason Lee Miles ⊱

Summary of Qualifications

Fifteen years of experience in the technology field, including software development, data access technologies, Internet technologies, networking, and professional use of leading business applications. Over eleven years experience in software architecture and developing custom software solutions using the software development lifecycle, service oriented architecture, object-oriented programming, and *n*-tier design principles. Seven years experience with business intelligence products, data mining, and report writing. Ability to assume roles and responsibilities ranging from project manager to team member, specializing in system design and performance.

Skills

Application Architect: Full-system design skills for small to enterprise-wide websites, intranets, and desktop applications.   Specialties include financial transactions and auditing, Customer Relationship Management (CRM) software, online commerce, and auditing compliance (HIPAA, Sarbanes-Oxley, etc.). Designer of multi-tiered systems and efficient code patterns that leverage the right controls, right objects or structures, and right protocols for optimal performance.

Database Design: Temporal database design specialist with a focus on high availability OLTP systems. Experienced with multiple partitioning and archiving strategies, hierarchical query techniques, data mining, and data warehouse design. For the physical infrastructure, can set up high performance servers from the hardware (server selection, capacity planning, storage area networks) to the server configuration (failover clusters, mirroring, file groups, and backup strategy).

Database Tuning: Expert ability to tune SQL syntax in views and stored procedures to achieve maximum performance and efficiency using an in-depth knowledge of the SQL Server query compiler and indexing options.

Lead Programmer: Highly skilled in C#, VB.NET, HTML, JavaScript, and T-SQL. Able to produce top-notch code at a blistering pace while also taking time to train and mentor junior programmers. Many years of experience leading teams of programmers, assigning tasks, and reviewing code.

Business Processes: Good "bedside manner" when dealing with the user community and management to gather system requirements and document existing business process. Skilled in business process re-engineering and automation to improve quality and productivity.

Team Foundation Server: Can install, configure, and customize the entire server to match and enforce an organization's software development process, check-in policies, and code-review policies while replacing or integrating with the ticketing, request, feature, and testing systems. Will train staff to use the branching, merging, and shelving features; thereby enabling a true continuous development environment.

Technology Migrations: Assistance, road maps, licensing, and best practices can be provided for any new software implementation. Previous migrations include single-version or multiple-version upgrades in Windows, Visual Studio, SQL Server; also SourceSafe to Team Foundation Server and AS400 to SQL Server.

Virtualization: Able to plan, build, install, configure, and maintain Hyper-V, VMWare, and Virtual Server 2005 host servers and guest operating systems.

Technologies

Development Tools: Visual Studio 2008/2010/2013, Team Foundation Server 2005/2008/2010, jQuery, jQueryUI, jqGrid, AJAX Control Toolkit, Telerik RadControls, Infragistics Control Suite, Visual Basic 5/6, Visual SourceSafe, RedGate SQL Bundle

Development Platforms: .NET Framework 2.0/3.0/3.5/4.0/4.5, ASP.NET, MVC, LINQ, ADO.NET, COM+

Dev Tech: T-SQL, XML, XHTML, DHTML, AJAX, XSLT, CSS, ASP, JavaScript

Database: SQL Server 6.5/7.0/2000/2005/2008/2012/2014, MySql 4.1/5, AS400/iSeries, IBM DB2

Operating Systems: Windows XP/Vista/7/8.1, Windows Server NT 2000/2003/2008/2012, Linux

Web Servers: Internet Information Server 5/6/7/7.5/8/8.5

Office Suites: Microsoft Office 2000/2003/2007/2010/2013, SharePoint Server 2003/2007/2010

Professional Experience

SpoodleWorks, LLC   *Software Architect / Founder*   *September 2002 to Present*

➢ Consulted as database designer, software architect, and lead developer at <u>APEX Media \ Cross MediaWorks</u>. Consolidated eight different FoxPro 7 applications into a single C# ASP.NET and SQL Server 2008 website used at all their nationwide offices. Also configured the development server (OS, databases, TFS, SharePoint, backups), customized TFS workflows for maintenance and new development, implemented Reporting Services 2008, wrote software development standards, and trained existing staff and additional consultants on software development best practices.

➢ Worked on a team of consultants for the <u>Arizona Department of Transportation</u> to rewrite an existing legacy desktop system (PowerBuilder) into a web-based C# solution using AJAX, RadControls, and LINQ-to-SQL for the data access layer. Extracted requirements from the existing system and combined with user enhancement requests to design a new SQL 2005 database and multi-tier application structure. During development, maintained unit tests for code quality and trained the FTEs on the new technology and patterns we were using for the rewrite. Designed a dynamic "materials test" management tool that reduced the time to code, test, and deploy new tests from two months (using the old system) to one hour with the new system. Also configured the development team's Team Foundation Server and SharePoint portals.

➢ Personally coded the entire website for <u>Acquisition Process Service</u>. With basic requirements and a professionally designed template, developed the database and object design and all documentation (process flows, site topology, schemas, etc). Site consists of all the latest technology: .NET 3.5, Visual Studio 2008, and coded in C# with a LINQ data interface. The back-end is SQL Server 2005 and leverages the flexibility and power of the SQL XML data type.

➢ As a consultant at the <u>State of Arizona Division of Developmental Disabilities (DDD)</u>, performed a full system analysis of an in-house system to improve code performance, database performance, server performance, and modernize the toolsets and processes from .NET 1.0 and SQL Server 2000 to current technology. Assisted in software purchasing, evaluation, and licensing considerations for the 2008 budget, and also coordinated the actual upgrade process with the developers and network staff.

➢ Gathered requirements, designed, programmed, and supervised programming for two packaged software products that target medium-to-large corporations for <u>OptiScan</u>, a document imaging company. OptiScan eVista is used to store, index, and retrieve digital documents in any format. OptiScan Formtrax manages workflow, digital approvals, and collaboration for digital documents and complex business processes. Currently improving and adding features to newer versions of both software products.

➢ Full rewrite of Take Charge America Express software for <u>Walking Eagle Communications</u> in Visual Basic .NET. The desktop application performs budget analysis, debt repayment scenarios, and helps with financial planning. Two user interfaces were created (advanced and a wizard) using data-binding and a customized MS Access database for the budget file format.

➢ Programmed and maintained the <u>AutoXray</u> e-commerce website from 2002 to 2006. Website included product catalog, online purchasing, press releases, and integration services for business partners. Developed the CodeTrack website that allows users to get detailed descriptions and repair diagrams for vehicle trouble codes. Also created the internal customer tracking database used for sales, help desk support, and shipping.

➢ Added online credit card processing, secure PayPal integration, and online scheduling for CCIE rack rental students on websites for <u>Rack Time Rentals</u> and <u>SuperTech Networks</u>.

Take Charge America, Inc.   *Director of Enterprise Architecture*   *October 2001 to August 2007*

➢ Gathered requirements, created the temporal database definition, designed the business and data classes, and prototyped the user interface for the company-wide Customer Relationship Management (CRM) solution. In addition to CRM, the system manages trust accounting, invoicing, receivables, electronic file transfer (EFT), digital signatures, online client service, mailroom printing, integration with MasterCard RPPS, Wells Fargo, Western Union, etc.

➢ Personally coded the automated disbursement logic to reduce the operator mistakes made from inadequately appraising the situation, inconsistently following business rules, and data entry or communication errors. Previously considered too complex to automate with a computer system, the logic now performs the 97% of the disbursements and fee collections automatically.

➢ Replaced the most recent version of the custom Intranet with an Office SharePoint Portal 2007 deployment. A separate portal site was created for each department, with public and private sections of each site to increase inter-department awareness and collaboration.

➢ Designed and programmed the corporate Intranet, public Internet site, Extranet portal for business partners, and web services for internal consumption in Active Server Pages and ASP.NET 1.1. All sites were coded to W3C XHTML standards, and external sites were cross-browser compatible and ADA compliant.

➢ Managed all technology migration projects: Classic ASP to ASP.NET, AS400 to SQL Server 2000, SQL Server 2000 to SQL Server 2005, Visual Studio toolset from 2002 to 2005, and from SourceSafe to Team Foundation Server. Customized the MSF Agile template to match the company development process and policies, and replaced the OnTime work item system with TFS. Developed a website that internal clients used to submit and track items (bugs and feature requests) through the TFS system.

➢ Developed a portfolio management system to increase employee information mining capabilities and improve quality of 600-account portfolios. Deployed through the employee Intranet using XML and XSLT, the system immediately improved collections, allowed instant access to information, and allowed employees the realize the promise of a paperless work environment.

➢ Supervise a staff of fifteen, with positions of senior programmers, junior programmers, and testers split into teams based on support roles: desktop development, web development, and reporting. In-house development models are based on the software development life cycle and IEEE standards; they also support the company's ISO 9001 certification.

State of Arizona, DES   ***Information Technology Specialist IV***   ***January 2000 to October 2001***

➢ Responsible for establishing an agency-wide Internet/Intranet presence that improved customer service, enhanced employee productivity, centralized information, reduced redundant efforts, and unified employees who were accustomed to working in functional silos. Visual InterDev, Active Server Pages, and SQL 7.0 were used to ensure a professional site that complied with W3C HTML 4.01 standards, exceeded ADA standards level A, and increased productivity by providing DES employees with information and web-enabled tools.

➢ Primary responsibilities included developing and maintaining high-priority Visual Basic 6.0 applications with Access 97, SQL 6.5, and SQL 7.0 databases on Windows 3.1, 95, 98, and NT clients.

Independent Developer   ***Consultant***   ***March 1998 to July 2002***

➢ Long-term relationship with the financial office of <u>Pima County Community College</u> as a consultant in data manipulation, business rules, and daily task automation. Streamlined budget planning, payroll, and position control using custom Excel forms, VBA, code-generated PowerPoint Presentations, and fully functional Access 97 applications.

➢ Created an online interface for <u>KidsVotingUSA</u>, a non-profit organization dedicated to increasing voter participation through the involvement of youth in the election process. On Election Day 2000 the interface collected election results from affiliates across the United States and provided result totals in real-time to the media, including CNN and MSNBC.

➢ Developed and implemented an invoicing solution for <u>Lucent Technologies</u> that interfaced with the Legacy order system and reduced project invoicing cycles from five days to one hour. In mimicking the already established invoice format, the program standardized invoicing across multiple offices, added professionalism, and increased quality and accuracy to unprecedented levels.

Certifications

Microsoft Certified Professional Developer (.NET), Microsoft Certified IT Professional (SQL), and
Microsoft Certified Technology Specialist (.NET & SQL)   #6893714

070-451	PRO: Designing and Optimizing Database Solutions with SQL Server 2008	September 21, 2009
070-433	SQL Server 2008, Database Development	August 13, 2009
070-432	SQL Server 2008, Implementation and Maintenance	July 23, 2009
070-564	PRO: Designing and Developing ASP.NET Applications Using .NET 3.5	July 9, 2009
070-562	.NET Framework 3.5 – ASP.NET Application Development	June 18, 2009
070-536	.NET Framework – Application Development Foundation	May 15, 2009

Education and Training

Patterns of Enterprise Application Architecture	Martin Fowler
Developing Time-Oriented Database Applications in SQL	Richard T. Snodgrass
Temporal Database Design and Coding via personal instruction	Richard T. Snodgrass
Joe Celko's Trees and Hierarchies in SQL for Smarties	Joe Celko