Robert H. Mayer

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Summary

I have worked as a software developer for the past 20+ years and have vast experience developing applications for both Windows and the web, primarily with relational databases such as SQL Server and MS-Access. My particular strengths include database design and SQL queries and writing code with modularity, reusability, clarity, and maintainability in mind. I am a very reliable worker who can perform solidly under pressure, either in a team or solo environment, and possess solid verbal and written communication skills.

Experience

FlexTek Resources (Feb. 2016 – Nov. 2016, Oct. 2018 - present)

Key projects

On contract with Total Safety maintaining several internal line of business applications. (See previous for project/technology details.)

Libersys, LLC (Feb. 2016 – present)

This is my own company through which I am doing my freelance work.

Key projects

Core Pacific (August 2018 – present)
Developed an ASP.NET/SQL Server system to simplify processes for handling customer purchase orders and printing of shipping labels for this plastic product manufacturing operation.

Pin Oak Terminals (May 2017 – August 2018)
Developed a ASP.NET/SQL Server system for their new terminal in Garyville, LA to facilitate invoicing of their rental and service customers. Also developed a web-based visitor logging system for the terminal's security department in order to replace their manual paper-based logging procedures.

USA Table Tennis (May 2016 – present)
Working as technical consultant on special projects. Completed the migration of the USATT Leagues system (which I developed as a volunteer in 2003) into their Simply Compete (SC) membership management platform. My role is equal parts Project Manager, QA, and SME. Day-to-day tasks involve communications with league directors regarding issues reported with the system, logging/tracking issues in Trello, and setting issue priorities and task assignment with the SC development team. Currently guiding SC on development of a standardized tournament registration module and will soon begin work with them on a state-of-the-art tournament management system.

Total Safety Inc. (Dec. 2011 – Jan. 2016)

Tools/Technologies: ASP.NET 4.5 (C#), Visual Studio 2013, MS-SQL Server 2012, Entity Framework, Actian Data Connect, Twitter Bootstrap, Balsamiq Mockups.

Key projects

Personnel Management System
Took responsibility for the full development lifecycle of a new ASP.NET/C#/SQL system to replace a process previously managed through spreadsheets. The system allows managers to maintain data on their employees/contractors including contact info, skills/certifications, project history, review feedback, current status and more. Used Balsamiq Mockups to help with documenting UI aspect of the functional and technical requirements. Entity Framework was used to handle all of the database interaction in the application code.

PACLIMS
Inherited maintenance of this ASP.NET/C#/SQL laboratory information management system previously developed by a consultant for use in several of our EHS offices in British Columbia. Modified the system to accommodate our Houston EHS division by segregating the data and developing new functionality to meet their unique requirements. Refactored various aspects of code improved performance and usability.

AFE Manager
Inherited maintenance of this ASP.NET/C#/Backbone.js/SQL workflow application from a colleague who left the company. Noteworthy enhancements included addition of dashboard filters for admin users and a major extension to workflow related to tracking how approved AFE line items are to be fulfilled.

Sales Rep Manager
Took responsibility for the full development lifecycle of a new ASP.NET/C# system to help improve the management of commissions to the appropriate sales reps. System wrote data to a custom table on the IBM iSeries, which hosts the company's ERP, Rentalman.

Hardware Request/New User Request
Inherited maintenance of these very similar ASP.NET/C#/Backbone.js/SQL applications from a colleague who left the company. They are workflow applications used internally to configure requests that ultimately go to the IT help desk system (ManageEngine's Service Desk).

Actian DataConnect projects
Developed or assisted in the development of various data integration projects to pass data to and from Rentalman and other systems such as Salesforce, UltiPro (HRIS), JPMorgan, iSynergy, Concur, Tangoe, et. al.

Other
Served on the corporate VPP committee undertaking role of coordinating monthly facility safety inspections.

Robert Half Technologies (Jan. 2011 – Dec. 2011)

Total Safety Inc.

(see previous for project/technology details)

TFI Resources (Dec. 2009 – Apr. 2010, Oct. 2010 - Dec. 2010)

Noltex LLC

<u>Tools/Technologies</u>: ASP.NET 3.5 (C#), Visual Studio 2008, MS-SQL Server 2000, Crystal Reports.
<u>Overview</u>: This contract project consists of creating a new web application to facilitate electronic submission of safety and environmental incident reports by onsite employees and contractors (chemical plant) as a replacement to paper procedures. The system is designed to integrate tightly with an existing online system used for submitting corrective actions, work orders, etc. al. The user interface is enhanced with the implementation of AJAX and jQuery components.

Advantage Technical Resourcing (May 2010 – July 2010)

Schlumberger

<u>Tools/Technologies</u>: ASP.NET 3.5 (C#), Visual Studio 2008, MS-SQL Server 2008, XML, Fusion Charts.
<u>Overview</u>: This contract project involves making enhancements to the client's IT Reporting Services dashboard, specifically the addition of monthly data quality metrics which can be viewed at various geographic levels. Month-over-month trending of individual metrics is depicted using multi-series line graphs.

Macro Enterprises (Dec. 1999 – Nov. 2009)

Bridgeway Software (Oct. 2007 to Nov. 2009, Feb. 2007 – May 2007)

<u>Tools/Technologies</u>: Crystal Reports 8.x, MS-SQL Server 2000/2005, Oracle 8, Crystal Clear java report engine.
<u>Overview</u>: This project consists of creating new custom reports and making enhancements to existing custom reports requested by client users of Bridgeway's legal software package. Report complexity was increased due largely to the underlying database which was designed to offer a great degree of end-user customization to the application. The application ran on Windows and web platforms using either MS-SQL or Oracle as a backend.

IntroScout project (Jan. 2003 – Oct. 2009)

<u>Tools</u>: ASP.NET 2.0 (C#), Visual Studio 2008, Microsoft SQL Server 2005, and Crystal Decisions 11.0.
<u>Overview</u>: IntroScout is an innovative quality assurance application developed in-house and being marketed to hospitals and healthcare clinics across the United States. Development originally began using ASP.NET 1.1 and Visual Studio 2003 before being converted to ASP.NET 2.0/VS 2008.

VaRManager (Aug. 2007 – Oct. 2007)

Tools/Technologies: C#.NET (WinForms), Visual Studio 2005, MS-SQL Server 2005.
Overview: This project involves rewriting a FoxPro application our company purchased which is used for calculating value-at-risk for financial portfolios.

CB Richard Ellis / Washington Mutual (June 2007)

Tools/Technologies: Crystal Reports 10, MS-Access, MS-SQL Server 2000.
Overview: This project involved recreating, using Crystal Reports, a number of reports existing in a MS-Access database as part of a migration to a MS-SQL based system.

Frischkorn, Inc. (Aug. 2006 and May 2007)

Tools/Technologies: Crystal Reports 8.x, MS-Access.
Overview: This project consisted of two separate visits to an out-of-state client needing help developing income statement reports using Crystal Reports for the company's comptroller. The most significant accomplishment was the development of a new report they could use to alleviate the tedium of their month-end chore of extracting the monthly data, pasting it into a running fiscal year spreadsheet, manually formatting the data, and repeating the process for each of their 20+ branches, thereby saving a full day of work each month.

NYLB Outside Counsel System (Jan. 2006 – Jul. 2007)

Tools/Technologies: Microsoft SQL Server 2000.
Overview: This database was set up for the New York Liquidation Bureau to track litigation of insurance claims performed by third party administrators (TPAs). While the database design consisted of only a few tables, the key component was the creation of DTS packages scheduled to run nightly that looked for new TPA data files uploaded to the server to initiate their reimbursement process. The DTS process included validation and importing of the data, followed by transmission of notification emails on success/failure to interested parties.

TEPPCO GasWeb project (Jan. 2006 – May 2006)

Tools/Technologies: ASP.NET 1.1 (C#), Visual Studio 2003, Microsoft SQL Server 2000, and Crystal Reports 7.0.
Overview: This project included the development of a custom web interface to the Sungard GMS system to allow client customers to submit, maintain and view their shipping orders on the web versus manually submitting via e-mail and fax, as well as screens for launching custom reports and viewing the system event log. It also included the development of a Windows service application responsible for EDI processing of scheduled and confirmed nomination quantities from participating pipeline companies.

BP REAN project (June 2005 – Feb. 2006)

Tools: ASP.NET 1.1 (C#), Visual Studio 2003, and Microsoft Access.
Overview: This web application is used to manage information about BP's rotating equipment inventory.

NYLB Salary Allocation System (Mar. 2005 – Mar. 2006)

Tools: ASP.NET 1.1 (VB.NET), Macromedia Dreamweaver MX, and Microsoft SQL Server 2000.
Overview: This intranet application is used by the New York Liquidation Bureau for tracking employees' time worked on a weekly basis with their hours allocated to one or more accounts

that are also maintained within the system. This application is rather atypical in that all of the pages used in-line server code (no code-behind). This design decision was made so that the client can maintain the source without needing Visual Studio to pre-compile it before deployment to the web server. The application was developed using Macromedia Dreamweaver along with several of its custom data access components.

BP PERSYS project (Dec. 2004 – Mar. 2006)

Tools: ASP and Microsoft Access.
Overview: Took over development of a safety management web site for BP's Health, Safety, and Environment division that was left unfinished by another consulting company. The site was written in ASP using MS-Access as the primary data store with data imports coming from SQL Server 2000 and Excel spreadsheets.

Duke Energy GMS Support team (Aug. 2001 – Jan. 2003)

Tools: Visual Basic 6.0 and Microsoft SQL Server 7.0.
Overview: Worked on developing and maintaining peripheral applications for GMS system and providing general support for GMS system users.

Tenaska (May. 2001 – Aug. 2001)

Tools: FoxPro
Overview: Developed new modules to add risk management functionality to an existing energy trading system written in FoxPro for Windows.

PMIS upgrade (Jan. 2001 – Apr. 2001)

Tools: n/a
Overview: Worked on the upgrade of a Macro-developed VAX-based project management system written years earlier in FOCUS, searching through hundreds of code modules identifying data field definitions needing to be expanded for Y2K compatibility.

Dynegy (Mar. 2000 – Nov. 2000)

Tools: Visual Basic 6.0 and Seagate Info.
Overview: Served as the primary developer on system migration effort, converting a system that launches Crystal Reports on demand to one in which reports are scheduled and run centrally using Seagate Info server. This project consisted of two Visual Basic projects: 1) An ActiveX DLL that encapsulated the Seagate Info API used to process report scheduling requests, and 2) an ActiveX control that served as a navigational interface for users wanting to browse, view, and delete reports previously scheduled through the existing system. The ActiveX control was built to plug into a common application framework used to provide various functions to the user base through a single program.

AIMS 2000 (Feb. 2000 – Feb. 2000)

Tools: Visual Basic 6.0 and Microsoft SQL Server 7.0.
Overview: Assisted development team with some late-stage bug-fixing prior to rollout of very large automobile auction management system.

RSSC (Dec. 1999 – Jan. 2000)

Tools: Visual Basic 6.0 and Microsoft SQL Server 7.0.

Overview: Worked on medium-sized development team building new forms and code for very large mobile electronics repair center application for Windows. Was able to identify opportunities for code consolidation where multiple developers were duplicating similar functionality and produced class modules accordingly to reduce unnecessary lines of code.

Education

- Jan. 1993 – July 1994, University Center at Tulsa (Langston Univ. program), Tulsa, OK. Management of Information Systems, GPA: 4.0, degree incomplete.
- Aug. 1981 – May 1985, Missouri Southern State College, Joplin, MO. Marketing and Management, GPA: 3.02, Bachelor's of Science.

Languages/Technologies

- C#
- Visual Basic
- Microsoft T-SQL
- HTML
- JavaScript/jQuery
- CSS
- XML
- JSON
- BackboneJS
- Twitter Bootstrap

Tools

- Microsoft Visual Studio 2003/2005/2008/2013
- Microsoft SQL Server 6.5/7.0/2000/2005/2008/2012
- Visual Source Safe/Team Foundation Server
- Actian Data Connect 10.4 (data integration platform)
- Crystal Reports (versions 4 thru XI)
- Microsoft Reports (RDLC)
- Balsamiq Mockups

Certifications

- Microsoft Certified Professional Exam 70-528, Microsoft® .NET Framework 2.0, Web-based Client Development (completed Jan. 26, 2007)