

Mark Harr

1590 Chapman Way
Broadview Hts, OH 44147

Phone 440-845-7044
Cell : 440-832-0532
E-mail Mark@Harr.us

Functional summary

36 years experience in Programming, Systems Analysis, and Project Leader positions, including 11 years mainframe development and 26 years PC / Client-Server / Internet-Intranet and mobile development. Recent emphasis in PhoneGap mobile development, Windows .Net development and SQL Server administration, ASP.Net/MVC/MVVM/AJAX/jQuery/HTML web site development. Extensive experience in medical systems, privacy management, ecommerce site integration, securities transactions, insurance and rating, real estate and title systems, transportation, sales management and tracking, manufacturing and inventory management, warehouse distribution, order entry, and miscellaneous office applications and systems.

Employment

2009 – current,

2005 – 2008 Oxford & Associates Beachwood, OH

Sr. Consultant; .Net development

- Consultant and architect specializing in Microsoft technologies and products. Project development, package implementations.

2008 – 2009 Exential, LLC Brecksville, OH

Sr. Consultant; .Net Development, SharePoint

- Consultant and architect specializing in Microsoft technologies and products.

2003 - 2005 Foresight Technology Group; Brecksville, OH
Berbee Information Networks

Sr. System Architect; Sr. Consultant

- Consultant and architect specializing in Microsoft technologies and products. Project development, package implementations.

2001 - 2003 Mediquant, Inc. Broadview Heights, OH

System Architect; Lead Developer

- Software company specializing in Medicare billing review systems. Rearchitected tv major product lines to Microsoft-based multi-tier systems including web-client capabilities, signature capture, and remote updates and maintenance.

2000 - 2001 Analysts International Independence, OH

System Architect; Project Manager; Senior Consultant

- eBusiness Solutions Group, projects involving website development (including eCommerce site), enterprise-wide application development.

1995 - 2000 LDA Systems; Computer Associates Brecksville, OH

System Architect; Project Manager; Senior Consultant

Co-developed the Microsoft Solutions Group, a focused consulting service to research and prototype the latest Microsoft Technologies for client, and provide off-site rapid system development.

1994 - 1995 Independent Consultant Parma, OH

- Project development and management, focusing on MS Technologies.

1994 Roadway Information Technologies Akron, OH

Project Manager

1981 - 1994 American Greetings Corp. Brooklyn, OH

Technical Specialist, Project Leader, Senior Analyst/Programmer

1979 - 1981 Cleveland Federal Saving & Loan Cleveland, OH

Programmer; Computer Operator

**Significant
Project
Achievements****Regional Medical Company**

- Developed mobile applications and web applications for patients and staff.
- Mobile web applications developed using jQueryMobile for responsive design, including providing multi-pane pages for wide browsers (desktop and tablets).
- Mobile applications for Android and iPhone/iPad, using PhoneGap. Used Visual Studio Tools for Apache Cordova for development.
- Both used RESTful web services built using ASP.Net MVC/WebAPI2 for backend web services
- **C# 2013, ASP.Net 4.5/WebAPI2, Html5/CSS3, jQuery 1.11/2.1, jQueryMobile 1.4.5, VS Tools-Cordova**

Mfg Company

- Enhanced shop floor application for tracking JIT inventory.
- Increased performance 80%, reducing lines of code over 90%, and added flexibility for unlimited bin display (was limited because of bad performance).
- Added printed pick lists. Added resizable and scrollable display to fit various large TV monitors on shop floor.
- **C# 2013, WinForms, SQL Server 2012.**

Mfg Distribution Company

- Converted order mgmt system from Classic ASP to current Asp.Net.
- Helped implement transition to Agile methodology for development teams.
- Converted public website for outside marketing agency to internal CMS using Orchard.
- Assisted in many projects rebranding/integrating/converting processes and systems as company was acquired by another company, and long-time staff left or was transitioned out.
- **C#/VB.Net 2012-13, ASP.Net 3.5/Ajax/MVC, Html5/CSS3, jQuery 1.11,, SQL Server 2005/08, iSeries DB2, TFS 2010, Windows Server 2003-05, Agile**

Manufacturing Company

- Helped implement multi-language international website for their products.
- Website included product information imported from ERP system, regional availability, manuals/reference/MSDS, videos, and catalog cross-reference system.
- Application was integrated into Orchard CMS, providing marketing ability to add pages, promotions, and page widgets to link appropriate content.
- Website designed with responsive web design techniques, to provide support for PCs, tablets, and mobile phones.
- **Html5/CSS3, jQuery 1.8, Twitter Bootstrap, ASP.Net/MVC C# 4.0, SQL Server 2012, LLBL GenPro, Window Server 2008, Agile, TDD, Rally**

Online Communications Company

- Developed multi-platform mobile application (iOS and Android) to enable their client's users to manage and receive critical communications on their mobile devices. Used common Html5/CSS3 web pages, enhanced with PhoneGap to build native apps for packaging/delivery on app store.
- Enhanced backend web services to enable use by more html/ajax applications, enabling Ajax/Json endpoints in addition to existing Soap/XML services.
- **PhoneGap 1.6-1.81, Html5/CSS3, jQuery, jQueryMobile, iOS 4.3,5.x,6, XCode 4.4, Android 2.2-4.03, Eclipse, ASP.Net/ C# 4.0, SQL Server 2008, Window Server 2008, Agile**

**Significant
Project
Achievements
(cont.)****Online Business Services Company**

- * Redeveloped marketing site using CMS and updated design (from design agency). Restyled 600 page members site to align with new style.
- * Developed common reporting WCF service to serve 6 client systems with consistent end reports (primary deliverable for their clients)
- * **ASP.Net/MVC3/C# 4.0, Ajax/jQuery, SQL Server 2005/8, Window Server 2008, Agile**

Industrial Company

- * Redeveloped marketing literature site (including e-commerce) and company's public facing site.
- * Literature site developed to be multi-site, so many divisions of company all can store all literature, articles, videos, software; over 600 downloadable files.
- * **ASP.Net/C# 3.5 SP1, Ajax/jQuery, SQL Server 2005, Window Server 2008**

Startup Company

- * Developed prototype in .Net Compact Framework/Windows Mobile application, .Net Web Service. SQL Server 2008 w/spatial data for geolocation tracking and proximity searching.
- * **Windows Server 2003 R2, VB.Net 2008,.Net CF 3.5, ASP.Net 3.0, SQL Server 2008**

Mfg Distribution Company

- * Converted order mgmt system from Classic ASP to current Asp.Net.
- * Re-designed IT development application production promotion processes and SCS for both .Net and Java developers, implementing QA staging servers and SOCS compliant procedures.
- * **Windows Server 2003 R2, VB.Net 2008, ASP.Net 3.5/Ajax, jQuery, SQL Server 2005, iSeries DB2, Subversion 1.5**

Insurance Company

- * Developed ASP.Net applications for maintaining temporary overrides of master data until application or new product cycle was completed.
- * **Windows Server 2003 R2, C# 3.0, ASP.Net 2.0, SQL Server 2005, Enterprise Library 3.0**

Teleradiology Company

- * Architect, Lead Developer, DBA for managed services company
- * Managed migration of primary company application to Window Server 2003 R2 Terminal Server and SQL Server 2005.
- * Designed and developed Order Entry system merging incoming fax images and Dicom image information to verify and correct mismatching information.
- * Designed and developed Report Distribution system to produce, manage and efficiently distribute radiologists' patient reports, providing multiple options for format (pdf, tiff, rtf, xml) and delivery (ftp, email, fax, web service, HL7).
- * Develop multiple applications to integrate and smooth workflow issues between systems, remote clients, radiologists, and transcriptionists.
- * **Windows Server 2003 R2, VB.Net 2005, ASP.Net 2.0/Ajax, SQL Server 2005, SQL Broker Service, Exchange 2003 WebDav, Dicom**

Publishing Company

- * Architect and Developer for Privacy Management system for major trade magazine publisher.
- * Developed .Net systems for managing subscribers' privacy preferences for email, fax, and phone.
- * Included public internet opt-out sites, intranet database management, and intranet for magazine staff to scrub mailing lists before communication campaigns.
- * **Windows Server 2003, C#.Net 2003, SQL Server 2003**

**Significant
Project
Achievements
(cont.)****Mfg Distribution Company**

- * Architect and Developer for Demand Planning system for manufacturer products distribution company.
- * Developed .Net intranet system to review inventories, customer orders, production and purchase requisitions, and forecasts to determine potential inventory shortages and recommend replenishment orders.
- * System integrates with AS/400 manufacturing and ERP systems to collect data on daily basis, and produce hotlists of items needing attention.
- * **Windows Server 2003, VB.Net 2003, SQL Server 2000, Client Access/400**

Mfg Distribution Company

- * Architect and Developer for redesigning software product from an MS Access based design to a multi-tier design using SQL Server.
- * Design components to be flexible to install and run as single user system, shared database system for workgroup, or client/server network installation.
- * Significant features included: multi-tier application, Access to SQL Server (MSDE) database migration; multiple languages, international export, and encryption.
- * **Windows 2000/2003 Server, Windows 98/Me/NT4/2000/XP Clients, Visual Basic 6.0, MTS/Com+ Components, ADO 2.7, SQL Server 2000/MSDE, Wise Installer.**

Medical Software Company

- * Architect and Developer for redesigning two software products from an MS Access based design to a multi-tier design using SQL Server. Further redesign to .Net client architecture.
- * Significant features included: shared middle tier for both Windows client and web client front-ends; patient signature capture (compliant with Electronic Signatures Act), low-cost maintenance and remote system maintenance features.
- * **Windows NT4/2000 Server, Visual Basic 6.0/.Net, ASP.Net, MTS/Com+ Components, IIS 4.0/5.0, ASP 2.0/3.0/.Net, ADO 2.6, VBScript, JavaScript, HTML, SQL Server 7/2000/MSDE.**

Enterprise Applications

- * Project Leader, Architect, and Developer for integrated, enterprise-wide applications for medical testing company. Developed 5 applications for customer service, scheduling mobile equipment, sales support, marketing support, and external vendor support.
- * Built combined in-house client-server applications and private, secure website applications, using common components and database.
- * **Windows 2000 Server, Visual Basic 6.0, Com+ Components, IIS 5.0, ASP 3.0, ADO 2.6, VBScript, JavaScript, HTML, SQL Server 2000, VeriSign Payflo.**

eCommerce Website

- * Project Leader, Architect, and Developer for web eCommerce site for company providing display supply products for retail stores.
- * Included catalog of >4,000 parts, integration of customers and pricing with existing legacy ERP system.
- * Took over this project as an existing failed project (after 15 months) and restarted development and design to bring new site up in 3½ months.
- * **Windows 2000 Server, Visual Basic 6.0, Com+ Components, IIS 5.0, ASP 3.0, ADO 2.5, VBScript, JavaScript, HTML, Netscape and Microsoft browsers, SQL Server 7.0, Navision Financials.**

**Significant
Project
Achievements
(cont.)****Parts Proposal & Quotation System**

- * Project Leader, Architect, Developer for part, bill of material, and pricing system for generating quotations and proposals for spare parts for major motor and drive systems.
- * Rewrote and converted data from HP mainframe system to intranet system to be used corporate-wide, and eventually used extranet for customers and distributors.
- * **Windows NT4 Server, Visual Basic 6.0, Microsoft Transaction Server 2.0, IIS 4.0, ASP 2.0, ADO 2.1, VBScript, JavaScript, HTML, Netscape and Microsoft browsers.**

Import Product Inventory Management System

- * Project Leader, Architect, Developer for inventory management system for planning, forecasting, and generating planned orders for imported products for international bearing manufacturer.
- * System developed using intranet-based ActiveX documents on MS IIS web server, with multi-tier MTS components, using SQL Server 7.0 database and trading ASCII files with MVS mainframe via FTP.
- * Also developed Application Framework. Further applications can be developed and “plugged into” framework, based on user security.
- * **Windows NT4, Visual Basic 6.0, Microsoft Transaction Server 2.0, MS SQL Server 7.0, MS IIS 4.0, ASP 2.0, ADO 2.0, Outlook (CDO), VSView, Janus Grid/ButtonBar, MS IE Browsers.**

Accreditations

1999; Microsoft Certified Solution Developer
1994; Microsoft Certified Professional, Visual Basic 3
1990; Certified in Production and Inventory Management; APICS

Technical Qualifications

	PC Development:	PC Packages and Systems:
<i>Extensive Experience:</i>	<p>Microsoft Visual Basic 1.0 - 6.0; VB.Net 2003-2013, C#.Net 2003-2013, including dozens of custom controls, .Net CF 3.5</p> <p>Microsoft SQL Server 4.2 thru 2012, MSDE, SQL Broker Service</p> <p>Microsoft Transaction Server 2.0, Com+ Microsoft COM/DCOM/RAWWeb Services/WCF</p> <p>Microsoft Internet Information Server 3.0/4.0/5.0/6.0/7.0/7.5/8/8.5</p> <p>Microsoft Active Server Pages 1.0- 5.0,.Net 1.1-4.5/Ajax/MVC3/MVC4/5</p> <p>Microsoft Data Access Objects (DAO) 1.0-4.5</p> <p>Microsoft Remote Data Objects (RDO) 1.0/2.0</p> <p>Microsoft ActiveX Data Objects (ADO) 1.0/2.0/2.1/2.5/2.6/2.7/.Net/.Net 2.0,3.5,4.0</p> <p>Microsoft VBScript, VBA, Windows Scripting Host</p> <p>JavaScript 1.2, 1.3 / Jscript 1.0 / jQuery / jQueryUI / jQuery Mobile</p> <p>PhoneGap 1.6-1.8.1, 4.1; various plugins</p>	<p>Microsoft Access 1.0 - 2015</p> <p>Microsoft Word for Windows 1.1 - 2015</p> <p>Microsoft Excel 3.0 - 2015</p> <p>Windows 3.0, 3.1, 3.11, 95, 98, ME</p> <p>Windows NT 3.1, 3.5x, 4.0, 2000, XP, 2003, Vista, 2008, 7, 2008R2, 2012, 8, 8.1, 10</p>
<i>Moderate Experience:</i>	<p>LLBL GenPro 3.1, 3.5</p> <p>Sybase SQL Server 4.9.2 thru System 11</p> <p>Oracle 6.x/7.x/8.x</p> <p>Microsoft Visual Interdev 1.0/6.0</p> <p>Allaire Homesite 4.0/4.5/5.0/5.5</p> <p>Microsoft FrontPage 97,98,2000,2003; Expression Web/Studio 2.0,3.0,4.0</p> <p>Microsoft Visual Basic for DOS</p> <p>IBM 3270 Communications & EHLLAPI API Programming</p> <p>IBM MQSeries NT Client Development</p> <p>Easel/DOS Application Development 5.0- 6.1</p> <p>Xcode 4.4-6.2, ObjectiveC (iOS development)</p> <p>Eclipse 4.3, (Android Development); Android Studio</p>	<p>Rally Agile Project Mgmt</p> <p>Microsoft Team Foundation Server 2010/2012 Agile Template</p> <p>Microsoft SharePoint Portal Server 2003/2007/2010/2013</p> <p>Microsoft Great Plains 7.5</p> <p>Microsoft Small Business Server 2003/2008</p> <p>Visio 4.0/5.0/2000/2003</p> <p>Microsoft Project 3.0-2007</p> <p>Microsoft Project Server 2003/7</p> <p>PCBoard BBS 14.5, 15.0</p> <p>Microsoft Powerpoint 3.x-2003</p> <p>Harvard Graphics</p> <p>S-Designer</p> <p>Telerik Agile Workbench</p>
<i>Some Exposure:</i>	<p>Microsoft COBOL & Realia COBOL</p>	<p>Project WorkBench</p> <p>EasyCase Plus</p> <p>ProKit Analyst</p>