

Expert Software Developer / Architect

Multifaceted technical career spanning over 25 years with extensive proven track record of innovation, excellence and success.

Expert programming capabilities with a deep and broad knowledge of modern programming tools, languages and methodologies. Results-oriented, proactive visionary with extensive background in providing the driving force behind software development. Skilled facilitator with a proven talent for directing all phases of the SDLC and determining innovative solutions to diverse and complex business issues.

CORE COMPETENCIES

- Software Development using the latest tools, languages and best practices
- SharePoint 2007/2010/2013 Development and Administration
- Software Architecture
- Leadership/Mentoring of team members
- Creative problem solving
- Database Design
- Training and Mentoring
- Public Speaking
- Full stack (C#, MEAN, and Java)

TECHNICAL SKILLS

Languages: C, C++, C#, Java, JavaScript, VB, VB.Net, C#.Net, .Net 2.0/3.0/4.0/4.5, Python

Web Technologies: HTML, Java Script, VBScript, ASP .Net 1.0 / 2.0, DHTML, SOAP, XML, XSLT, VBScript, Web Services, MEAN

IDE Tools: Visual InterDev 6.0, MS Visual Studio .Net 2010, DreamWeaver CS5, Front Page 2000/20002, Clarion 5.5/6.0

Modeling Tools: UML, MS Visio, RUP, RDP

Operating Systems: Ms-Dos, UNIX, Windows 95/98/2000/NT/XP/Vista/7, Palm-OS, WinCE

Web Servers: Apache 1.3, Jakarta Tomcat 4.1 and IIS 5.0, Java Web Server 2.0,

Databases: MS-Access, Oracle 7.3/8i/9i, MS SQL Server 7.0/2000/2005/2010, MySQL, TopSpeed

Version Control: CVS 1.11.16, MS SourceSafe, TortoiseCVS

Bug Tracking System: Bugzilla 2.16.6, PRTracker

Installers: Installshield

Methodologies: MSF, RDP, RUP, Agile, SCRUM

RELEVANT PROFESSIONAL EXPERIENCE**Feb 01 2015 – Present, Provocraft, Senior Software Engineer**

MEAN full stack developer

Maintaining C++ code (Bridge) that interfaces between clients (HTML, IOS, Android) and XY Cutting machine (machines) firmware.

Maintaining C# code (Test Suite) that serves as a test bed for new machines firmware

Developed a "Big Data" POC that logs client clicks to an AWS S3 bucket and imports the data to an AWS Redshift instance. Logged over 1Billion records the first year. Resulted in several major management business decisions.

July 31 2014 – Nov 7 2014, Ghostery, Senior Software Engineer

Develop web front end for the Ghostery Marketing Cloud Management 2.0 solution.

Focused mainly on UX, CSS, matching look and feel to product specs.

Technologies used: C#, .Net 4.0/4.5, JQuery, JavaScript, LESS, SQL Server, AGILE, Photoshop

Oct 10 2013 – Jul 31 2014, Evault, Senior Software Engineer

Developed store.evault.com. Develop service endpoints in JBoss. Integrate ERP and CRM solutions with Sales Force.

Technologies used: C#, .Net 4.0/4.5, JQuery, JavaScript, Java, JBOSS, SwitchYard, Oracle, Postgres, SQL Server.

Aug 1 2012 – Oct 10 2013, Computer Task Group, Senior SharePoint Developer

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Migrate legacy SharePoint 2003 sites to new 2010 sites.

Integrate existing data stores, such as SAP, into SharePoint.

Technologies Used: SharePoint 2003, SharePoint 2010, Performance Point, PowerPivot, SharePoint Designer 2010, Visio Premium 2010, Nintex, SAP

Apr 1 2012 – Aug 1 2012, AccessData, Senior Software Developer

Worked on "Forensics Tool Kit", a computer forensics tool suite. Develop unit tests. Develop new features. Debug and fix existing features.

Technologies Used: AGILE, SCRUM, Microsoft SQL Server 2008, C/C++/MFC, Microsoft Visual Studio 2008.

Aug 15 2011– Mar 31 2012, Department of Veteran's Affairs, Senior SharePoint Developer

Worked on the VINCI records management tool in SharePoint 2007.

Developed a stand-alone .Net application for managing servers and software requests pertaining to the VINCI program.

Technologies Used: AGILE, SCRUM, Microsoft SharePoint 2007, Microsoft IIS, Microsoft SQL Server 2008, .NET, C#, Microsoft Visual Studio 2008.

Sep 2009 – Aug 2011, Hill Country Telephone, Senior Software Developer

Architected SharePoint 2007 to SharePoint 2010 migration of internal site.

Architected migration of external facing portal to SharePoint 2010.

Developed custom web services, forms, lists and Flash animations.

Used: .Net, InfoPath 2007/2010, Flash CS4/CS5, SharePoint Designer, MS Visual Studio 2008/2010, Silverlight, MS Expression Studio

Created applications for the Sony Dash device.

Used: Flash CS4/CS5

Created applications for the Roku Set top box

Used: Roku Propriety Code

Created IPTV portal solution written in Flash.

Architected and developed bar coding application that is used to process inventory and to speed up registration at HCTC's annual meetings.

Used: .Net, SharePoint 2010, SQL Server Express

Produced a video documentary in HD that was sent to the FCC, describing the impact of the Universal Service Fund on rural America.

Used: Adobe After Effects, Adobe Premiere, Adobe OnLocation, Adobe Photoshop, Adobe Illustrator

Mar 2008 - Jan 2009, TRC Consultants, Senior Software Developer

Architected a .Net solution to modernize an application built for the oil and gas industry using current best practices and design patterns.

Used: C# .Net, MS Visual Studio 2008/2010, SQL Studio

Developed the design document and was responsible for the development of the GUI.

Lay off due to economic conditions.

Feb 2007 - Nov 2007, Catapult Systems International, Senior Lead Consultant

Lead groups of consultants to deliver Microsoft centric business solutions to clients to include: MOSS 2007, Service Oriented Architecture, EPM, Business Intelligence, ECM and custom application development. Primary design methodology is Microsoft's MSF. Microsoft Office SharePoint Server (MOSS 07) programming.

Clients:

- SPFM, LLP - Supply Chain Mgmt - Architect and lead developer for a custom application that allows client to crawl vendor websites to compile product lists
- Security Services Federal Credit Union - Financial- Lead role in the Envisioning phase of an intranet redesign project to span several year-long phases.

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- Pinnacle - Oil and Gas - Developed a software solution to automate the creation of MS Word documents that are populated with data obtained through oil field analysis
- Investment Professionals - Finance - Developed a Business Intelligence solution integrating Reporting Services with Sharepoint. Created OLAP data warehouse from transactional database. Created reports from the OLAP Cube.

Nov 2005 - Feb 2007, RIMSS Business Systems, Director of Software Development

Visionary for the Software department.

My main duties are to evaluate current and future technologies and to determine if/how those technologies can benefit the company's current projects. Also, I evaluate current trends and make recommendations to the Board of Directors regarding the software development roadmap. I am also in charge of a fairly large number of developers working in several small teams. I train, mentor, motivate and encourage them to strive for excellence and hold them accountable for their performance. I also facilitate continuing education seminars, as well as facilitate regular department meetings. I report directly to the President/CEO and update Executive management on the progress of the development team.

Project Lead, NetStar

Led the software development efforts for the modernization of a 26 year old business system software product running on UNIX, and upgrading the technology to current business system standards. NetStar is a 3-Tiered Smart Client Application built using Microsoft Application Blocks and Patterns and practices common to current Smart Client technology. It is built using software requirement documents and product prototypes to facilitate team member's understanding of requirements. I hired several developers during the first phase of the project in order to decrease the time to market.

Used: C# .Net, MS Visual Studio 2008/2010, SQL Studio, WebServices

Aug 05 - Jan 06, DNA Tech Group, Contractor, Software Development

Developed e-commerce web site for PA based bus company

Used: Java, PHP, MySQL

Developed e-commerce site for "LA Weight Loss"

Used: Java, PHP, MySQL

Develop Excel to XML converter

Apr 05 - Aug 05, Ingeo Systems, Contractor, Software Development

Upgraded existing and designed new web services using C#. Web services facilitated the electronic recordation of mortgage documents. System acts as a data manipulation engine between RDBMS of dissimilar design.

Feb 05 - Apr 05, Price Watch Corp Contractor, Software Development

Internet Web Crawler/Scraper

This project involved building a web crawler that would visit Froogle and scrape data off their website, inserting specific data into a MSSQL database.

GUI webpage written in C#.ASP

This project takes the data gathered from the crawler and searches, sorts, filters it for display in a formatted manner.

"Office Paintball" Project Lead

This is a game based on the Quake3 engine. Was used as a proof of concept to determine the current marketability of MMOG's. Developed totally in house, using off the shelf and Open source systems.

Jan 01 - Dec 04, Peerwisdom, Director of Software Development

Universal Instant Messenger, Project Lead

Universal Interoperable Instant Messenger which allows IM users of AOL, Yahoo and MSN to communicate freely between each protocol as well as a highly secure proprietary protocol which complies with SEC and HIPPA regulations.

Used: Java, C/C++, Jabber

UDP based network transport protocol, Project Lead

Led team of developers in developing patent pending UDP based network transport protocol which allows over 1,000,000 clients to simultaneously communicate with a single server.

Used: Java, C/C++

Systems/Network Administrator

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Administered all aspects of Information Technology (IT) systems. This included Network Administration, Email server, web server, file server, firewall, routers, hardware and software installation and maintenance. Successfully protected entire system from break-ins, harmful viruses, spam Email, Trojan horses and other malicious activities.

June 00 - Jan 01, Peerwisdom, Senior Software Developer

"Bud Lite Lounge" Project Lead

Produced, directed, and edited "Bud Lite Lounge" starring Spike Lee and featuring Adam Sandler, Chris Rock, Martin Lawrence and Cedric "The Entertainer". Was featured in Cannes France at the 2000 new media world expo. As a result, Peerwisdom received \$10 Million contract from Anheuser-Busch.

Used: Adobe Premiere, 3d Studio Max, Photoshop, Flash, Macromedia Director

"Mindshare" Project Lead

Developed "Mindshare", a multiplayer, online version of "You Don't Know Jack" as a test bed for new protocol abilities. Was instrumental in Peerwisdom receiving development contract from a Texas themed website, "The Texas Channel". Project utilized a MySQL database backend to store questions, answers and players data.

Used: Macromedia Director, SQL Server

MMOG Proof of concept

Developed proof of concept Multiplayer Online Game to stress test network protocol. Increased the ability of Windows NT to simultaneously communicate with remote clients by 500%.

Used: C/C++, Telnet, PHP

Oct 99 - June 00, Sciencetech, Contract Senior Software Developer

Training Coordinator

Implemented and taught weekly training seminars intended as a continuing education program for the senior engineers. Topics included "Object Oriented Programming", "UML/RDP", "Writing Effective Code"

Emergency Response Data System

Developed the Emergency Response Data System for the Millstone Nuclear Power station. System resulted in a 25% overall reduction in time required to notify the NRC in the event of a catastrophic nuclear event.

Feb 99 - Oct 99 Engineering Animation, Inc, Game Programmer

"Dukes of Hazard: Racing for Home" Team Lead

Received the "Franklin Award" for innovation by designing a revolutionary event notification system in the game "Dukes of Hazard: Racing for Home". This game was a featured title at the 1999 Electronics Entertainment Expo in LA.

"Scooby-Doo: Mystery of the Fun-park Phantom"

Mar 94 - Feb 99, Blevins Enterprises, Inc, Game Programmer

Released and Credited Games

- *"Top Gun: Hornet's Nest"*
- *"Recoil"*
- *"MechWarrior3"*

Jul 00 - Present, **Horn Enterprises, Inc**, Contractor/Owner

"MichaelJohnHorn.com", "Dotmetals.com", "LoneStarBlades.com", "eKnivesPlus.net", "Apantallame.com"

Used: PHP, MySQL, Apache, C#, SQL Server, ASP.Net

Aug 88 - Feb 91, US Navy, US Naval Nuclear Reactor Operator

Petty Officer Second Class (E-5)

Led a reactor control division of approx. 30 E3-E4's. Assigned daily tasks including training and maintenance.

Naval Nuclear Reactor Operator

- Qualified #2 in class of 150 during prototype training.
- Graduated #1 in class of 50 during Electronic Technician School
- One of only 5 E4's out of class of 150 selected for early advancement to E5 due to exemplary leadership qualities.