

Strengths

- Extensive hardware and software experience
- Strong troubleshooting skills
- Attention to detail
- Direct customer interaction
- Independent, self-starter
- Self-employed

Skills

- **General IT:** custom PC builds, PC upgrade and repair, printer setup, server and NAS setup, networking, remote and on-site tech support, virus/malware removal, PC tune-ups, antivirus
- **Software:** MS Office 2007-2022, SyncroMSP, JumpCloud, Miradore, Itarian, SplashTop, Acronis, Macrium Reflect, Threatdown EDR powered by Malwarebytes
- **IDE's and Tools:** VS 2002 - VS 2022, VS 6.0 (C/C++,VB6), Visual SourceSafe, CVS, TFS, Git, some Unit Testing with NUnit
- **Process:** MSF, Agile, Extreme programming, Scrum, Waterfall
- **Languages:** C#, VB.Net, C++, VB6, Java, T-SQL
- **Technologies:** EF Code First, Web API, WPF, Silverlight/OpenSilver.Net, XAML, MVVM, LINQ, Lambda Expressions, Async, Anonymous Delegates, Events, OOP, TCP/IP, Pipes, Services, Multi-Threading, IDL, COM/ActiveX, DCOM, COM+, XML, HTML, .Net Web Services, WordPress, JSP, Beans, Servlets, ASP.Net, Encryption
- **Libraries:** .Net Framework, MahApps, FontAwesome, Win32, GDI+, SqlClient.Net, ADO, ADO.Net, CSLA, ATL, STL, AppForge, IPWorks
- **Databases:** SQL Server, Stored Procedures, MySQL, Access, Dbase, LiteDB
- **Platforms:** Windows 95, 98, NT, 2000, XP, XP Embedded, Vista, Windows 7/8/RT/10/11, Windows CE/Handheld PC, Windows for IoT, Synology, Raspberry Pi

Conferences

Microsoft PDC 2001
Windows CE Developers Conference 1999
VSLive 98
Visual Basic Developers Conference 1997

Certifications

Developing and Implementing Windows-based Applications with Visual Basic .Net and Visual Studio .Net, Microsoft, 2004
Visual Basic for Desktop Applications, Microsoft, 1999

Education

Olivet Nazarene University, Kankakee 1993
B.S., *Computer Science*
Math Minor
Physics Minor

Employment History

2019-Present IT on the Square, LLC, Corydon, IA/Groesbeck, TX

Owner

- Custom timeclock software for a childcare (currently in development)
- WordPress website development for Hicks Realty, LLC
- Ran my own computer store, offering sales, repairs and upgrades
- Antivirus/Malware removal and PC tune-ups (sfc, DISM, chkdsk)
- RMM and MSP offering remote and on-site tech support
- Malwarebytes reseller, Malwarebytes Endpoint Detection and Response (EDR)
- Setting up new PCs, installing and configuring software, printers and email, on-boarding and off-boarding employees
- Installing, configuring and maintaining network servers and routers (Synology), data backup

2014, 2017 Wayne Count Hospital, Corydon, IA

Contract/Consultant

- Wrote a WPF application for their efficiency manager (PexDC)
- Uses Infragistics WPF 15 Control library
- Queries for scheduled employees in the selected pay period and displays hours accrued in a spreadsheet and bar graph (spreadsheet data can be exported to Excel)
- Displays employee and providers information such as current schedule and PTO
- Shows employee currently clocked in or out (filter by department)
- Displays the number of patients scheduled and checked in for a selected date
- Displays a stress gauge to indicate how busy the providers are for a selected date

2014, 2017 Wayne Count Hospital, Corydon, IA

Consultant

- Assisted with assessment of QlikView. Actual installation and implementation was handled by WipFli.

2013 Wayne Theater, Corydon, IA

Consultant

- Created Dcpify (originally Ad2Dcp), a desktop application which converts movie files into digital cinema packages. This allows a theater to show ads for local businesses before feature films.
- Technologies included C#, .Net Framework 4, FFMPEG, OpenDCP
- Converts any movie file which FFMPEG recognizes (avi, mov, mp4, etc) including a mono audio track
- Created an MSI installer with VS 2010 (later replaced by Click-Once)
- Created a Click-Once installer with VS 2012

2013 Surface Information, Windows Store

Developer/Personal Project

- Created a Windows Store application called Surface Information. This was written to help learn the WinRT paradigm, find out its audience and goals, and just to stay current.
- Displays real-time sensor data and some system information
- Supports full screen, filled, snapped and portrait mode
- Technologies included C#, .Net for Windows Store apps

2009 - 2011 Madden Communications Inc, Wood Dale, IL

Senior Developer

- Assisted in the design and coding of a customized ordering tool for an internal customer (Remy Martin).
- Technologies included SQL Server, C#, .Net Framework 4.0, Silverlight 2, 3 and 4, CSLA 3.8, MVVM
- Scrum for Team Systems process template was used for much of the development cycle
- Daily standups with developers, business analyst and product owners
- TFS 2008 and 2010 were used for source control, product backlog items and bug tracking
- CodeSmith was used to generate C# classes for data access

2007 - 2009 US Biometrics, Naperville, IL

Development Engineer

- Numerous bug fixes and enhancements to the identiCenter product involving customer queuing, power loss support, UI customization support. Technologies included remoting, queuing, windows services, web services, serialization, ADO.Net and SQL.
- Created a C# component which provided a common look and feel across the product-line for enrollment and identification. ManagedScanning utilized a COM component to interface with unmanaged code where fingerprint scanning and matching were handled. The emphasis was multi-threaded UI providing ease of programming, ease of customer use, clarity, and application-specific customization. Also supported concurrent use of the scanner from multiple applications via a system mutex.
- Numerous bug fixes to the eBioSeal product, including Biold creation, fingerprint matching, barcode encoding and printing, SQL database changes and UI fixes
- Development and testing support for the MemberQ product line. Tasks included bug fixes, feature additions, UI enhancements, system tray icon support and unit tests.
- Added administrative support to the MemberQ Manager product. Used multi-threading in the UI layer to eliminate temporary visual lockups. Also added form-level data validation.
- Made updates to the CheckQ 2.0 web service and added unit tests
- Introduced to localization
- Worked with management and QA lead and staff on products during development cycle

2006 - 2007 TEKsystems

Consultant

Covenant Worldwide Security, Bolingbrook, IL

- Designed and coded a data tier library (CovenantLib), in VB.Net, for an employee information system
- Designed and coded a web service, in VB.Net, to expose CovenantLib
- Created an ASP.Net administration page for creating and modifying employee data
- Created a VB.Net wrapper library (AccPacLib) for the ACCPAC COM API. This library also utilized the CovenantLib to merge employee data.
- Exposed AccPacLib in a VB.Net web service
- Created a C#, ASP.Net timecard application which used the AccPacLib web service to obtain and write all data

OfficeMax, Naperville, IL

- Diagnosed software issues at stores
- Called stores as needed, to obtain detail for a particular support issue
- Provided source code fixes and changes to remedy support issues (C#, VBScript and DOS Batch files)
- Provided source code fixes for an internal support application (VB6)
- Converted VBScript to VB.Net
- Updated, optimized and enhanced the Electronic Journal Windows service to provide faster execution, more accurate results, and better exception handling (C#)
- Co-designed and developed initial namespaces and .Net source code library
- Created an application to quickly convert a lab store to mimic a different store (C#)
- Created a socket based Windows service, with a plug-in architecture, to enhance register support functionality and stability and ultimately replace the internal support application (C#, VB.Net, Sockets, Multithreading)

Aramark, Downers Grove, IL

- Updated functionality in a VB.Net application on the Pocket PC; included updating the UI, SQL CE tables and creating install files
- Provided multithreaded functionality for a UI enabled VB.Net service
- Created SQL scripts, which contained stored procedures, views and tables, for enhancements and fixes

2006 Computhink, Lombard, IL

Senior Development Engineer

- Wrote a C++ mixed-mode wrapper, using Visual Studio 2005, for a JNI C++ dll, making it callable from .Net
- Assisted in design and timelines to update a legacy Java product

2005-2006 US Biometrics, Naperville, IL

Development Engineer

- Created a GUI Wizard component in C# using custom controls and GDI+ for gradient backgrounds
- Designed and coded a configuration tool, using VS 2005, for configuring multiple applications in a product line
- Researched and implemented multi-threading optimizations to our fingerprint matching routines

- Designed and coded a state machine in C++ for an embedded uCLinux application. Used a cross-compiling tool chain, on Linux, for the Freescale Coldfire chip.
- Co-designed the architecture for a client-server based fingerprint authentication system, including 256 bit encryption, device authentication, and packet play-back and middle-man protection.
- Developed a series of mixed mode C++ dlls using Visual Studio 2003
- Converted our CSI SDK to use .Net interop marshalling rather than using COM wrappers
- Wrote a C++ TCP socket client and a C# socket client and server
- Wrote a C# compression library based off the SharpZipLib library
- Researched mixed mode programming in managed C++, created documentation, a lab, sample code, and taught a small class

1994 - 2005 Applied Systems, University Park, IL

Senior Developer

- As a part of a small team, prototyped a 4-tiered desktop application, which utilized VB.Net, SQL Server, .Net Web Services, client-side data caching, integrated Windows security and a robust client-side UI. Primary focus was on providing a solution for data concurrency and the development of custom UI controls using Win32 and GDI+.
- Assisted in porting VB6 code to VB.Net, and performed code reviews to ensure code efficiency and correctness.
- Created internal VB.Net coding standards
- Wrote a multi-threaded TCP/IP Socket Server as an NT Service in VB.Net which provided data access, via encrypted XML, for a JSP front-end web application. Also helped with JSP, Bean and Servlet development.
- Created an ASP.Net (VB.Net) prototype for a legacy Dbase application.
- Converted IIS/ASP pages to Tomcat/JSP, developing beans and servlets as necessary.
- Created a custom forms engine, in VB6 and C++(ATL), with which customers can create their own forms using a visual "IDE". Utilized Microsoft's msscript.ocx to provide VBScript functionality.
- Designed and coded an XML based Third Party Integration toolkit for our primary product. The toolkit, written in VB6 and C++, implements XML, COM, TCP/IP, Multi-Threading, Windows NT Services and VBScript and is designed to work on individual Internet/Intranet Servers as well as provide an Application Service Provider solution.
- Developed custom ActiveX UI controls, which were shared with other departments, in VB6 and C++.
- Application and TCP/IP based client/server synchronization development for the Handheld PC. This included all tiers of development, from local storage on the Handheld PC to the SQL Server on the network.
- Developed insurance applications in C++ involving rating, numerous Lines of Business, report design and development, custom "control-specific" help.
- Provided company representation to customers and potential partners.

1993 - 1994 Pangea, Bradley, IL

PC Technician/Programmer

- Built and repaired PC's and provided general customer troubleshooting support
- Installed and maintained LanTastic Networks
- Developed custom Paradox applications
- Provided customer training in Windows, DOS, and C++