360 Marigold Road
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Charles M. Rich

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Professional Profile

Highly motivated C# and VB.NET Software Developer with about 10 years' experience using Visual Studio .NET, Ajax, C#, VB.NET, HTML, JavaScript and SQL. Experience with .NET versions 2003 through 2010. Past experience with C++, C, and assembly language. Have been writing software since graduating from UCF with a BSCS degree in 1987. Starting work as an Electronic Technician gave me an understanding of the hardware used in a project and how it relates to the software used. Possess the ability to work well with others and under pressure, able to meet tight deadlines. Also have the capability to quickly learn and utilize new skills. Self-starter, exhibiting high work ethic, dedication, integrity and competence. Personable problem-solver, able to meet challenges and provide solutions in a timely manner.

Skills

- C#, VB.NET Web and Windows applications
- Visual Studio .NET, Ajax
- ASP.NET, .NET Framework 4
- HTML and JavaScript
- MS SQL Server 2005, 2008, Oracle, MySQL
- C, C++, Various Assembly Languages

Professional experience

Orange County Public Schools   Orlando, FL   Feb 2011-Jun 30, 2014

Responsible for the maintenance of FASTER (Florida Automated System for Transferring Educational Records) software. FASTER is the system for printing, sending and receiving student Transcripts. This includes SQL TSQL, Stored Procedures and Functions, VB.NET Scheduled Applications, and ASP.NET Web Applications.

Developed an ASP.NET template for creating new applications using a Master Page so that all pages have the same look and feel. Includes login authentication using MS Active Directory, a menu dependent on login rights, exception and error logging, Ajax with sample code for Auto Complete, and sample code for automatic e-mail generation.

CharlesMRich.com   Casselberry, FL   Nov 2009 – Present

Developed and posted websites using Visual Web Developer 2010 and SQL Server Management Studio Express. Examples are: HomeRemedyRemodeling.com (For screen shots of admin software see HomeRemedyRemodeling.com/Help) , CharlesMRich.net, and RichEveryday.net .

City of Orlando   Orlando, FL   May 2007 – Oct. 2009

As an **Application Developer** using ASP.NET, C#, VB.NET, Oracle and MSSQL, I developed ASP.NET Web applications and a Console application running daily as a scheduled task.

- Developed numerous ASP.NET pages for the CODA project.
- Includes web pages for use by Code Enforcement officers to post digital photos of violations. The resolution of posted pictures is reduced by my application to save space on the server. Photo data includes the Date/Time when the picture was taken using the camera internal clock and EXIF data saved in the JPG image file.
- Used Ajax, including Ajax Update panels to eliminate page flashing on post-backs.
- With security and the prevention of SQL injection attacks in mind, developed ADO.NET methods such as "WhereBuilder" which aids in creating dynamic queries using parameterized queries.

Biometric Management Systems   Lake Mary, FL   Sep. 2005 – Sep. 2006
As a **Software Engineer** using C# .NET and SQL I developed the following:

- Responsible for the Cardholder Administration software for a secure entry system. Interfaced the Administration PC to a bioscrypt Fingerprint Reader / Card Reader, a Logitech Camera, and an Evolis Card Printer.
- Software to assist in creating a user ID card layout, including picture cropping.

| **Integration Wizard** | Casselberry, FL | Jan. 2005-Aug. 2005 |

Programmer

- Designed and developed custom windows applications using VisualStudio.net.

| **Siemens -ICN** | Lake Mary, FL | 1987-2003 |

Senior Software Engineer

- Lead engineer on 'Remove' - A PC based C++ program used to reconfigure DCO binary database structures when remote line equipment was re-homed to another telephone switching system.

- Reduced the time required to obtain Digital Central Office (DCO) translations by 95% when compared to capturing files on the DCO system. Accomplished by developing PC based C programs used to extract data from DCO binary database structures and report the results.

- Reduced Database Generator (DBGEN) execution time 84% by eliminating assembly and linking of text files. Processing time was reduced from several hours to less than ½ hour.

Education

- BS, Computer Science
University of Central Florida, Orlando, FL 1987
(Including: C, various assembly languages, and Computer Architecture)
Completed an independent study project where I designed both the hardware and software, and then built a device which burns a program into an Intel 8748 microcomputer chip. This device made use of a serial connection to a programming work station. This included checksum verification to insure data integrity. Specialized custom power supply design provided for system power and programming voltages. Much hardware saving was achieved by scanning an array of 7 segment LED displays instead of having separate circuits for each one. A simple telephone keypad was used for inputting commands. This required scanning of rows and columns with software interpretation. Upon completion of the project, donated the device to UCF so that it could be used by future students in the microcomputer lab. Earned 3 credit hours for this independent study project with an A.

**Technical
Training**

- Microsoft ASP.NET 3.5
Orlando, FL

- Microsoft Designing Microsoft SQL Server 2005 Databases
Orlando, FL

- Advanced C# Programming
Seminole Community College; Sanford, FL   Fall 2004

- Data Driven Websites using PHP and SQL
Seminole Community College; Sanford, FL   Spring 2004

- C# Programming Language
Seminole Community College; Sanford, FL   Fall 2003