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## Summary

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Over twenty years of software development experience. Possess extensive knowledge of C# and .NET framework including a great deal of time examining the .NET framework's internals. Have implemented a completely custom application framework with approximately 70 custom controls, model/view/controller architecture, object serialization, visual theming, and localization in 9 languages (not including English).

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## Skills

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- #/.NET Development Winforms and ASP.NET applications
- Intimate understanding of .NET framework
- Extensive Custom Control Design and Development
- Unit testing
- Agile/iterative methodologies
- Readily adapt to new technologies, processes and languages

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## Experience

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### **Revolutionary Software, Inc. Fayetteville, AR**

#### ***Independent Consultant***

5/2005-Present

Contracted exclusively with IBM, continued the work that began with Ascential Software after IBM purchased them. Continued development of the application framework (Infosphere Information Server Console) and supported the application teams (Infosphere Information Analyzer and Information Services Director). As the framework matured, I became the sole developer/maintainer of the framework, managed development and maintenance of multiple concurrent versions, handled customer support issues and continued to support the application teams. Frequently responsible for coordinating work with services team, application teams, install team, and documentation team. Worked with translators to provide source data and integrate translation of the framework for 9 other languages.

**Ascential Software, Inc. Fairfax, VA**

***Consultant***

4/2004-5/2005

Assisted in the design and development of an entire application framework in C# with a completely custom look and feel with dozens of custom controls, a model/view/controller architecture, and extensive application services from logging to serialization to reporting. Utilized extensive unit testing and iterative development in an environment with frequently changing requirements. Participated in code reviews of the entire codebase.

**Revolutionary Software , Playa del Carmen, Mexico**

***Independent Consultant***

1/2003-4/2004

Designed an online hotel reservation site in C#/ASP.NET. Developed a real estate management site for a local realtor to allow the client to manage their properties and for customers to browse and find information about the properties. Consulted with a local company that provided internet kiosks from Cancun to Tulum, providing software and hardware support. Developed software to monitor the status of the network of kiosks.

**QueTel Corporation. Herndon, VA**

***Architect and Lead Developer***

6/2000-12/2002

Original software architect of the TraQ Enterprise line of products. TraQ Enterprise was a scalable customized application generator. It allowed the user to create completely customized database applications for clients. Implemented a number of the core systems features. Responsible for ongoing development of new features. Work included development of ActiveX controls, COM and COM+ components, use of the Crystal Reports API and various other development tools. TraQ Enterprise uses COM+ as middle tier layer and was scalable to thousands of users. The form builder was similar to a VC++ or VB form builder except controls placed on the form could be automatically tied to database fields, similar to Access forms. In addition, it supported VB Script and JScript which can be attached to forms or controls and respond to events (such as entering a value in one field will calculate a value in another field). TraQ Enterprise also had a “plug-in” architecture that allowed extensive customization beyond the form generator and scripting. The plug-ins could add commands to the menu, respond to events that occur within the system and so forth. With TraQ Enterprise, one could create an enterprise scalable database application in as little as a matter of days to weeks, instead of months or years. The core system was written in C++ with plugins and other satellite components written in C#, VB, and VB.NET

**Revolutionary Software, Playa del Carmen, Mexico**

***Independent Consultant***

5/1998-6/2000

Wrote a custom PDF viewer (Adobe Acrobat format) for Windows, based on the freeware XPDF code. Handled fonts, graphics, masks, lines and beziers. Utilized commercial font rendering software. Used Panose font matching. Viewer was derived from an ATL window to be used later as part of an ActiveX control.

Wrote various utilities and tools for an ISP and several Internet cafes. Several tools were WinSock based, including custom network diagnostic utilities. Others were heavily database oriented utilities for maintaining operational data. Jobs have included the development of several Active X controls. Developed online hotel and tour booking system using Perl and HTML. Allowed for automatic booking of tours or hotel rooms as well as credit card validation and charging.

**M.L.J. Arlington, VA**

***Architect and Lead Developer***

4/1995-5/1998

Developed and maintained large system for designing wireless RF systems (cellular, digital PCS and CDMA, broadcast, etc). The system allowed engineers to design wireless networks (place antennas on a map) and predict and manipulate vital information such as propagation, interference, traffic capacity, frequency planning and so on. Required learning the basics and in some cases, advanced areas of RF engineering. The project was entirely C++ based with a MS-SQL back-end. The application was very graphically oriented and included everything from graphing, reporting, and mapping, to custom controls and even 3D rendering of terrain data. Additional job requirements included: Discussing requirements and interfaces with engineers that used the tool. Interviewed candidate programmers for technical skills as well as ability to work with the existing team. Taught SQL classes to programmers and engineers.

**Fairfax, VA**

***Independent Consultant***

6/1994-4/1995

Worked primarily for WexTech, Inc. Makers of the commercial product, "Doc-To-Help" Wrote a WinHelp plug-in to support watermarks in .HLP files as well as 256 color bitmaps (before they were supported by WinHelp). Developed an image resizing application that used anti-aliasing.

**Previous experience and references available on request**

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**Miscellaneous**

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- Co-author of the book, "Windows Undocumented File Formats"
- Authored several articles for Dr. Dobb's Journal, PC Magazine, and Windows/DOS Developers' Journal
- Fluency in Spanish. Some fluency in French and, to a lesser extent, Italian.