

Jeffrey R. Hopper

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Summary

Software designer and developer who has architected and implemented a wide variety of solutions for many different business types and needs. Excels in designing systems that are enterprise-quality, re-usable, easy to maintain, and easy to use by employing industry and customer-defined standards, componentization, unit testing, documentation, and appropriate use of technologies.

Software & Languages

Visual C#, Visual Basic, SQL Server, Entity Framework, LINQ, MS MVC, jQuery, AJAX, Windows Mobile, ASP.NET, XML, XSL, ASP, HTML, VBScript, JavaScript, MS Access, Oracle, Universe, MS Office, COM, DOM

Independent Consulting

Owner/President

2006 - present

Hopper Consulting, Inc.

Indianapolis, IN

Ongoing Activities

- Develop custom software solutions for distributed, desktop and mobile systems using Visual Studio, .NET and MS SQL Server
- Author technical articles, hands-on labs, sample applications and tutorials on a variety of Microsoft technologies and subjects, focusing on emergent and pre-emergent technologies
- Solve business needs by automating tasks with computer software
- Provide MS Team Foundation services

Sample Projects

- Rewrote legacy (Visual Basic) Windows warranty/repair analysis application in .NET
- Rewrote Access returned parts analysis application as ASP.NET web application
- Served on small team developing GPS-related applications for mobile devices and back-end server tracking and reporting
- Served as a lead analyst/developer on a medium-sized team, producing a web application using C#.NET/VB.NET, MS SQL Server 2005, Visual Studio Team products
- Advised 2 entrepreneurs on best practices for mobile device applications; augmented development resources as requested

Sample Clients

- Navistar, JW Hedgehog, Inc., Microsoft, GPS Core Technologies, The Haelan Group, The Cranial Academy, Fraternity Executives Association, Advantage Health Solutions, Stericycle, Imagineng, Comcast

Sample Technical Articles, Tutorials and Labs

- MSDN Technical Article: *Developer's Guide to the ARM Emulator* (with Jim Wilson) (<http://msdn2.microsoft.com/en-us/library/bb630224.aspx>)
- MS Hands-On Lab: Creating and Using a SQL Server Compact Edition Database in a Windows Forms Application
- MS Hands-On Lab: Creating and Using a SQL Server Compact Edition Database in a Windows Mobile 5.0 Application
- MS Hands-On Lab: Synchronizing SQL Server Compact Edition with SQL Server 2005
- MS Hands-On Lab: Synchronizing SQL Server Compact Edition on Windows Mobile 5.0 with SQL Server 2005

Professional Experience

Lead Software Architect

2003 - 2006 Performance Assessment Network Carmel, IN

- Wrote company-wide enterprise software development standards, practices and designs
- Designed and developed a core framework for enterprise applications
- Designed and developed a web-service based event management system using Visual C#.NET and SQL Server
- Developed web-delivered personal assessments for a variety of clients and purposes using Visual C#.NET, Visual Basic 6.0; designed and maintained back-end SQL Server database

Sr. Programmer/Analyst, Development Lead

2002 - 2003 Sallie Mae Fishers, IN

- Developed on-line student loan application web face using Visual Basic, XSL, XML, ASP, JavaScript, SOAP; system integrates various backend data and systems (mainframe, DB/2, MS SQL Server, Oracle), utilizing project-wide framework and corporation-wide messaging architecture
- Served as team Development Lead for new release of above project; activities included object-oriented analysis & design, estimating, developer oversight, code writing/reviewing, cross-team coordination, process improvement

Programmer/Project Manager

1997 - 2002 Auctor Corporation Indianapolis, IN

- Designed and developed law firm's Case Management system using Visual Basic, MS SQL Server, ADO, Novell NetWare, MS Windows NT (3-tier application)
- Designed and developed State of Connecticut Child Support Enforcement System windows prototype using Visual Basic, Universe Objects, ODBC, Universe database
- Developed fraternity's membership database in MS Access, enhanced with web site accessibility for certain data
- Designed and developed web/database solutions using MS Visual InterDev, (D)HTML, ASP, XML, IIS, ADO, FrontPage, SQL Server, Access, UNIX
- Automated various business processes using MS Outlook, Word and Excel
- Enhanced internal help desk software using MS Access, MS SQL Server

Programming Supervisor

1995 - 1997 Sagamore Health Network Carmel, IN

- Supervised team of developers, enhancing electronic claim submission and member services systems using Visual Basic, MS SQL Server, MS Access

Programmer

1993 - 1995 St. Elizabeth Hospital Medical Center Lafayette, IN

- Developed X-ray film library system using Visual Basic, MS Access; automated various business processes; integrated Windows/SQL systems with Unix, mainframe systems

Programmer

1991 - 1993 Micro Database Systems, Inc. W. Lafayette, IN

- Developed various clients' systems using MS Access, Visual Basic (e.g., managed health care network tracking systems)

Education

BS, Electrical Engineering Technology

1986 - 1991 Purdue University W. Lafayette, IN

- Course work included micro-computer architecture, software architecture and programming, electronic communication technologies, audio engineering, sound reinforcement