

*Current Technical Pursuits: Agile Practices, Cloud Computing and Microsoft Windows Azure, ASP.NET MVC, WCF, Silverlight, and WPF*

## SKILLS & TECHNICAL BACKGROUND

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- **Microsoft .NET** versions 1.0 – 4.0
  - » **C#, Visual Basic.NET**, Some C++.NET
  - » **XML, Networking, Regular Expressions, Multithreading**, Encryption, etc.
  - » 1-Tier, 2-Tier, and Multi-Tiered networked applications
  - » **Windows Forms & Windows Presentation Foundation (WPF)** for rich client user interfaces
  - » **ASP.NET** WebForms and **MVC** for thin client user interfaces, **WCF** for remoting and **SOA**
  - » Windows Service for middle tier
  - » **Microsoft SQL Server** for database backend
- **Agile Practices:** CruiseControl.NET Continuous Integration, Test Driven Development (**TDD**), MSBuild, **NUnit**, **Rhino Mocks**, and **ReSharper**
- **Cloud Computing:** Microsoft Windows Azure and Rackspace Cloud
- **HTML, CSS**, JavaScript, Web Design, **SEO**, and Microsoft Expression Studio
- **Microsoft SQL Server** versions 7 – 2008. Extensive use of **T-SQL**, C# stored procedures, C# functions, **management** and **database optimization**
- **Microsoft Access** 1.0-2007
- Extensive experience with **Microsoft Office VBA** and **WordML**, an XML superset
- **QuickBooks** XML SDK (QBXML)
- **Windows Installer (MSI)** & InstallShield 2009
- **Microsoft Certified Professional**
  - » Visual Basic 6 Desktop Applications (70-176)
  - » Microsoft .NET Framework - Application Development Foundation (70-536)
- C, C++, x86 Assembler, Java, and Pascal experience
- **Microsoft Visual FoxPro** 2.6 – 7.0
- **Source Control** – Microsoft Team Foundation, Microsoft Visual SourceSafe, SourceGear Vault, Subversion, Git, and ClearCase



## PROFESSIONAL EXPERIENCE

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- 10/2009 – Present**                      **Overwatch Tactical, LTD / Textron Systems Corp.**                      **Austin, TX**
- Currently Senior Software Engineer on the product line at Overwatch Tactical. (3/10 – Present)
- Worked on an **agile** team using two week iterations
  - Utilized Test Driven Development (**TDD**)
  - Bridged new and legacy systems using various design patterns including dependency injection, factories, adapters, service locators, etc
  - Used Visual Studio 2008 & 2010, ReSharper, NUnit, Rhino Mocks, ClearCase and ClearQuest as part of the daily routine
- Worked as a software engineering contractor on the product line. (10/09 – 3/10)
- Diagnosed and fixed software defects for various products within the product line

# PETER STEPHENS

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04/2009 – 10/2009

Qvinci Software (<http://qvinci.com>)

San Marcos, TX

Worked as a software developer for a company producing financial analysis and visualization software.

- Wrote features and components for the flagship product Qvinci. Utilized **C#**, **WinForms**, and **QuickBooks XML API (QBXML)**
- Started the engineering prototypes for Qvinci's next generation product. Utilized **WPF**, **SQL Server 2008**, and **ASP.NET MVC**
- Implemented a **Continuous Integration** process using **CruiseControl.NET**
- Implemented and Administered Visual Studio Team Foundation Server and Office Communicator
- Wrote **Unit Tests** using **NUnit 2.5**
- Implemented the installer using **InstallShield** and integrated it with the continuous integration system.

01/2009 – 04/2009

Diligent Software

Liberty Hill, TX

**Owner** of a software consulting firm located in the Austin Metro area. This business is currently inactive.

- Wrote **software** using **Microsoft .NET**, **C#**, and **Microsoft SQL Server 2005**
- Website design <http://www.diligentsoftware.com>
- Business card design <http://www.diligentsoftware.com/buscard.pdf>
- Client list: AllCity Technology <http://www.allcitytech.com>

04/2004 – 04/2009

Diligent Contractors, Inc.

Temecula, CA

**Owner** (50%) of a commercial door and glass construction company built from the ground up.

- Wrote **software** to manage human resources, payroll, job costing, contract management, billing, and job estimation. Utilized **Visual Studio 2008**, **C# & Microsoft .NET framework**, **SQL Server 2005**, **T-SQL**, **ASP.NET**, **Windows Forms**, and **Microsoft Access 2007**.
- **Hired and trained** installation and administrative labor force
- Maintained **financial records** and accounts payable for company
- **Managed** installation crews on contracts ranging from \$5,000 to \$200,000
- Managed and performed **administrative tasks** such as payroll, insurance, sales tax, inventory, and purchasing
- Estimated job costs and wrote contract proposals
- **Maintained** computer systems in office including Windows 2003 Server and workstations
- Designed brochures, **artwork**, business cards and other marketing material for the company



12/1994 – 04/2004

Visual Records Consulting, Inc.

Temecula, CA

Primary developer for a custom software consulting company.

- Wrote **premium administration** software for the medical insurance industry
- Ported, maintained, and improved **health risk analysis** software for a health appraisal office of Kaiser Permanente hospital
- Wrote **medical records scanning and archival** software for University of California San Diego Genetics
- Designed and implemented Visual Records 1.0 and vrMedCorr 2.0. Version 1 was a **single tier, product grade, configurable, record keeping** application built on top of the Microsoft Visual FoxPro platform. Version 1 was configured for multiple industries and sold to multiple customers. Version 2 focused on the **release of information** tracking niche for hospital record keeping departments. It was a complete rewrite utilizing the **Microsoft.NET** platform, **C#**, and **three tiers**.
- Implemented and maintained a **Linux box** to provide DNS (djbdns), e-mail (qmail & squirrelmail), web server (apache), and firewall and routing services (iptables).

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# PETER STEPHENS

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## PORTFOLIO

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*(The percentage specified in brackets designates the portion of the project completed by myself.)*

- **Medical Records Imaging and Archival Software.** Microsoft.NET, SQL Server. Interfaced with a high performance page scanner and automated the CD burning archival process. [100%]
- Medical Records **Release of Information (ROI)** Software
  - » Visual Records 1.0: A single tier Visual FoxPro database application designed to be highly configurable. Deployed at a number of Kaiser Permanente medical record departments in Southern California. [80%]
  - » vrMedCorr 2.0: Microsoft.NET, SQL Server. A three tier database application designed for data integrity, scalability, and responsiveness. [70%]  
<http://www.visualrecords.com/pages/medcorr/medcorr.html>
- **HIPAA Compliance System** for Kaiser Permanente. Microsoft.NET, Visual FoxPro, DB2, and SQL Server. This system interfaced multiple 1-tier Visual Records v1.0 installations with a central HIPAA compliance system. Utilized XML, DB2, and hand coded replication. [60%]
- **Construction Estimation Software.** Microsoft Excel. Utilized extensive VBA macros to perform various tasks. Interfaced with a Microsoft.NET program for reporting purposes via XML. [100%]
- **Diligent Tools.** Microsoft Access, SQL Server, and Microsoft.NET. Software written to run my construction business. Employed an Access front end and a SQL Server 2005 backend with extensive use of C# stored procedures and functions inside SQL Server. Calculated timesheets and payroll amounts, managed contracts, and calculated monthly billing. [100%]
- **Diligent Tools / Web.** ASP.NET and SQL Server. A web based reporting interface for Diligent Tools. Supports job lookup using full text searching. Performs Job Costing and other report functions. [100%]
- **Diligent Tools / Reports.** Microsoft.NET, XML, and SQL Server. Produces Word document reports from data contained in SQL Server as well as the construction estimation software. Produces billing applications, construction submittals, proposal letters, and more. [100%]
- **Fractal Renderer.** Microsoft.NET and WPF. A hobby project to showcase WPF graphical capabilities and multi-processing software techniques. [100%]
- **Hearts.** Microsoft.NET and WPF. Sample Program utilizing WPF, MS Expression Design, & MS Expression Blend.
- **Web Based Bible Software.** Microsoft.NET and ASP.NET. Uses a hand coded full text search and regular expression engine. Partially completed. [100%]
- **QuickBooks Synchronization.** Microsoft.NET, XML, and SQL Server. Incrementally replicates 95% of the content of a QuickBooks company file and store the data in a SQL Server database. Data is used for job costing in "Diligent Tools / Web". [100%]

*A demonstration of select Portfolio items is available upon request.*

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## HISTORY

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- Got started with a hand-me-down Sinclair ZX-81 with Basic while in the third grade.
- Upgraded to a PC-XT clone while in the fourth grade. Learned MS-DOS 3.2 & GWBASIC.
- Started learning C using Microsoft QuickC while in eighth grade. Also read "Born to Code in C" by Herbert Schildt.
- Won second place in the Boston Computer Society programming contest while in the ninth grade.
- Also, while in the ninth grade, entered and won honorable mention in the Massachusetts state science fair. The project was titled "The Effect of the Algorithm on Execution Performance".
- Passed the first and second year Advanced Placement Tests for Pascal while in 11<sup>th</sup> and 12<sup>th</sup> grade.
- Started employment with Visual Records Consulting, Inc. (formerly Lotherington & Parker, Inc.) during the 12<sup>th</sup> grade.