

Chris R. Chapman

Technology Brief

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| Operating Systems: | Windows Vista (1year), Windows Server 2003 (2 years), Windows XP (3 years), Windows 2000 (5 years), Windows NT (5 years) |
| Development Highlights: | C# (6 years), VB.NET (4 years) ASP.NET 1.1 (4 years), ASP.NET 2.0 (2 years), ASP (4 years), HTML (6 years), XML (6 years), XSLT (5 years), SQL Server (6 years), Visual Basic 6 (5 years) , SharePoint Portal Server 2003 (2 years), Microsoft Office SharePoint Server 2007 (1 year), Windows SharePoint Services (2 years), Windows SharePoint Services v3 (1 year) |
| Best Practices: | Test Driven Development (TDD) using NUnit, automated acceptance testing using FitNesse, code versioning using Visual Source Safe, VSTS and Subversion. |
| Special Skills | Development and delivery of client-facing training for business end-users and developers, agile/lean project management. |
| Education: | BA, Political Science – Lakehead University Dip., Advanced Computer Programming – Humber College Microsoft Certified Application Developer (.NET) 2006 Certified Scrum Master (Agile Software Delivery) 2006 |

Selected Development Projects

February 2007: Municipality InfoPath 2007 Proof-of-Concept – Electronic Forms Conversion

Under this engagement, I worked co-operatively with a Microsoft Consulting Services representative to jointly develop a proof-of-concept application to demonstrate the validity of using InfoPath 2007 as a replacement technology for a large municipality's existing e-forms system which is based on JetForms.

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| Technology: | MOSS 2007, WSS v3, InfoPath 2007 |
| Team Size: | 1 |
| Role: | Developer / Technology Training Consultant |

Over the course of two weeks, I developed a proof-of-concept InfoPath 2007 form to demonstrate using the platform to record time off requests. In addition, I was required to provide basic training on the InfoPath 2007 client, publishing forms to a MOSS server as well as in-depth training for the in-house developers who would be responsible for developing code to support form operations.

**November 2006 – January 2007: Banking Industry
Custom Windows Vista Gadget Development**

For this engagement, I was tasked to help create a Windows Vista desktop “gadget” for a client in the banking industry which would be demonstrated as part of the Canadian Vista Launch.

Technology: Windows Vista OS, HTML, Javascript, XML, Web Services

Team Size: 4

Role: Development Lead

The gadget application was envisioned as a multi-purpose tool that would feature a calendar for tracking dates and savings goals and a calculator/graph for rendering savings with compounded interest. The objective was to provide an engaging experience for users which would also serve as a vehicle for extending the bank’s brand as part of the launch.

This project was challenging on several fronts, as the technology was relatively new and the goals for the gadget ambitious, requiring the integration of a custom calendar control, graphing control and web service communications.

**October 2006 – November 2006: Hotel/Hospitality Industry
Microsoft Office SharePoint Server 2007 (MOSS) End-User Training Development & Delivery**

For this engagement, I provided a customized MOSS 2007 training curriculum to support the rollout of a proof-of-concept “Executive Dashboard” SharePoint portal that was being developed for the client by another in-house team.

Technology: Microsoft Office SharePoint Server 2007, Windows Server 2003, ASP.NET 2.0, SharePoint Designer

Team Size: 1

Role: Technology Training Consultant

As the sole consultant for this project I worked in conjunction with the client’s IT lead to tailor a series of tracks to bring different teams who had little to no prior experience with Microsoft technologies to a base level of proficiency to work with, develop against and use a SharePoint Portal installation.

**September 2006 – October 2006: Energy Delivery Firm
Microsoft Office SharePoint Server 2007 (MOSS) End-User Training Development & Delivery**

For this project I was engaged to develop and deliver a training curriculum for end-users who would be tasked with using and supporting the rollout and migration to a new and highly-customized MOSS 2007 installation comprised of two server farms (authoring and production) which would provide an internet-facing portal for customers, clients and partners.

Technology: MOSS 2007, WSS v3, Microsoft Office System, ASP.NET v2.0

Team Size: 1

Role: Technology Training Consultant

The training was comprised of six tracks: Introduction, Server Admins & DBA, Developers, Production Support, Web Trends Analysis, Web Content Managers. Through extensive research I constructed a curriculum which was delivered over the course of several one or half-day sessions, which later became the basis for a company offering to other clients.

**July 2006: Telecommunications
SharePoint 2003 Application – V2**

This engagement involves the continuation of an intranet portal application imason previously developed for a major telecommunications client spanning 6,000+ users. The solution provides multi-lingual document collaboration workspaces in both English and French as well as integration with a non-Microsoft document repository system.

Technology: SharePoint 2003, C#, ASP.NET 1.1, AQTime Code Profiling

Team Size: 7

Role: Developer and Optimization Consultant

In my capacity as developer and optimization consultant, I provided assistance to the development team through identification and resolution of defects with respect to bugs that QA had raised or performance bottlenecks revealed through code profile analysis. Through my efforts, I was able to help the development team reach aggressive defect resolution targets as well as provide insight into potential hotspots in the code that could cause performance degradation.

**March 2006 – June 2006: Major Multimedia Firm
ASP.NET 2.0 / AJAX / Web 2.0 Internet Application**

For this project, our client engaged us to help them create a leading-edge “Web 2.0” social networking/bookmarking and tagging Internet application based on the ASP.NET 2.0 platform and leveraging Microsoft’s new AJAX framework code-named “Atlas” in under six weeks.

Technology: ASP.NET 2.0, C#, Atlas, IIS 6.0, SQL 2005,

Team Size: 4

Role: Development Lead

As development lead for this project I acted in several capacities, including: Project Manager, Client Liaison and Developer. Since the project had a very short time line, I guided the team and client through rapid, incremental development cycles to ensure delivery of top-priority features, some requiring evolving beta technology. By the conclusion of the first phase of the project the team and I delivered a fully-operational site that was released to an alpha-test community for further feedback and testing.

October 2005 - January 2006: Mining SharePoint 2003 Server Solution

This engagement consisted of a new SharePoint Portal 2003 application to organize and consolidate corporate assets across three continents. In addition to providing a leading-edge solution that enabled users to access multi-lingual content as well as create language-specific workspaces for collaboration, imason was also able to address the technical obstacles that the client required to provide a responsive experience irrespective of a user's physical location in the world.

Technology: SharePoint 2003 SP2, Windows SharePoint Services 2003 SP2, C#

Team Size: 6

Role: Developer

As a developer on this project, I worked with the team to create customized web parts for implementing the portal and workspace interfaces, as well as a customized un-managed ASP.NET application for automating the creation of project workspaces using a wizard-style GUI. Additionally, I created a lightweight application for migrating prior content into the new portal that leveraged Excel and .NET integration.

July 2005 – September 2005: Major Multimedia Firm ASP.NET 2.0 Internet Portal Site Upgrade and Content Management System

This project encompassed migrating a pre-existing major internet news and information portal from a legacy Oracle DB platform to a service-oriented architecture comprised of an ASP.NET 2.0 front-end, .NET web service middle tier and XML database back-end in a heterogeneous Java-based environment. In addition, we developed a customized content management system for the portal that leveraged ASP.NET 2.0 web parts and Visual Studio 2005 for page layout and content manipulation.

Technology: ASP.NET 2.0, .NET Framework 2.0, Visual Studio 2005, Visual Studio Team System, IIS 6.0

Team Size: 7

Role: Developer and Performance Optimization Consultant

As a developer on this project, I helped create and code the web parts that would render the content for the portal site at runtime to the browser and at design-time for page layout editors. As a performance optimization consultant, I leveraged the new Visual Studio 2005 web test tools to provide the client and development team with daily stress and load reports generated from my observations of various load test scenarios.

**April 2005 – June 2005: Major Consulting Firm
SharePoint Portal Server Solution Optimization**

This engagement was initiated by Microsoft Consulting Services (MCS) who recommended imason as a solution partner to the client to assist their launch of a global SharePoint Portal intranet application spanning three continents, 2000+ users and an integration layer with a customized database back-end. Specifically, we were asked to provide expertise in three key areas:

1. Load/stress testing of the application to determine points of failure;
2. Analysis of custom web part code to provide recommendations on optimization techniques that could be applied;
3. High-level plan for applying Service Pack 1 upgrades to all three global server farms.

Technology: SharePoint Portal Server 2003, Windows SharePoint Services v1, Application Center Test (load test app), AQTime Code Profiler, NDepend Code Dependency Analysis Tool, Microsoft Virtual Server, C#

Team Size: 3

Role: Optimization Consultant

In my capacity as Optimization Consultant on this engagement, I worked intimately with the client's development team and managers both local and abroad to provide insight into how their application would react under post-launch conditions through load testing, as well as guidance on how to enhance performance with specific recommendations for code changes that were revealed through profiling analysis. In addition, I also provided assistance on how the development team could apply Service Pack 2 upgrades to the global server farms through simulations using Microsoft Virtual Server images.

February 2005 – March 2005: Telecommunications SharePoint Portal Server Solution – V2

This project involved consultation on the second revision of a SharePoint solution imason had previously delivered that provided online project collaboration workspaces to over 6,000 users. For version 2, specific enhancements were requested, which also included advising on the integration of users and systems previously run under the Documentum platform.

Technology: SharePoint Portal Server 2003, Windows SharePoint Services v2

Team Size: 4

Role: Design Consultant

As a design consultant for version 2, I researched solutions for the next series of enhancements to the SharePoint collaboration site, including dynamic multi-lingual page viewing, offline file synchronization, document recovery, custom property propagation and others. My role focused on analyzing the current solution then researching, testing and documenting compatible solutions.

November 2004 – December 2004: Manufacturing SharePoint Portal Server Migration

The Online Resource Centre was a Sharepoint 2001 based implementation that had become ineffective. As a result, the Resource Centre had to be redesigned and migrated to Sharepoint 2003.

Technology: SharePoint Portal Server 2001/2003, Sharepoint Document Library
Migration tools, C#, .NET

Team Size: 3

Role: Developer

As developer, I was responsible for the creation of tools and processes to facilitate the migration of over 5,000 documents from the client's original SharePoint 2001 installation, into a new taxonomy under SharePoint 2003. This encompassed the leverage of existing Microsoft tools (SPin and SPout) for first-level migration, and a custom .NET Windows Forms solution leveraging the SharePoint Object Model to copy the documents into corresponding hierarchies.

September 2004 – November 2004: IT Services ASP/ASP.NET Integration

In this project, the client wished to add enhancements to their existing contract management solution, written in 100% classic ASP, that could take advantage of the improvements offered by ASP.NET. We were tasked with providing a solution that integrated their existing ASP application with ASP.NET improvements that could later be reused in a 100% ASP.NET solution.

Technology: ASP, ASP.NET, C#, IIS6, SQL Server 7, Windows Server 2000

Team Size: 4

Role: Developer

As developer on this project, I was primarily focused on analyzing the existing codebase for areas where it made sense to migrate or integrate existing code into ASP.NET. In addition, I was also responsible for construction of ASP.NET pages to facilitate entry and viewing of contract comment attachments, data layer code blocks and stored procedure enhancements/development.

May 2004 – September 2004: Major Financial Institution SharePoint Portal Server - PinPoint

As a result of a regulatory body audit, the client needed an improvement in the field of Policies and Procedures communications. PinPoint was designed as a result of this assessment. PinPoint is an enterprise wide Sharepoint 2003 based solution that provides an online, searchable, central collaborative environment to communicate Policies and Procedures to employees (<http://www.imason.com/pinpoint>).

Technology: SharePoint Portal Server 2003, WSS, C#, .NET, XML, XSLT

Team Size: 8

Role: Developer

As a developer on this project I was tasked to first develop a SharePoint search result caching component to improve end-user responsiveness for viewing common data in custom web parts. In addition, I participated in the development of simple and advanced custom search forms, web parts and component code.

February 2004 – April 2004: Consulting Firm InfoPath 2003 Time and Billing Application

This project leveraged features of InfoPath 2003 for a corporate time and billings application for in-house and travelling consultants. The application was required to integrate with existing data tiers for accounting via custom web services which we provided, as well as online/offline synchronization.

Technology: InfoPath 2003 SP1, C#, XML, XSLT, .NET Web Services, COM, Internet Explorer 6

Team Size: 3

Role: Developer

As a developer on this project, I was tasked to first research the object and development model for InfoPath to construct the solution, then create components that would facilitate communicating with the back-end data tier and render results. Additionally, I provided

expertise to automate deployment of the solution, as well as network activity monitoring (for offline/online synchronization).