

# RYAN J. PETERS

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## Objective

I am searching for a position in a progressive, established and forward thinking organization where I can leverage my skill sets supporting the design and implementation of enterprise service enablers and applications. I have over 6 years of extensive experience in HTML, CSS, and JavaScript technologies, and solid practical experience in ASP.NET/C# 2.0+, SQL Server, and MySQL. In addition, I am proficient in Microsoft AJAX, jQuery, Photoshop/Illustrator, and PHP, with experience writing ColdFusion. Regardless of the project, language, or platform, I focus on creating web applications that are n-tiered, separating the model from the view, and utilizing reusable code modules that can be re-implemented upon many applications. Using frameworks such as jQuery and Microsoft's AJAX toolkit are practices I commonly implement to decrease development time.

During the several years that I have been actively involved in the development, enhancement and support of various client web sites, I have also developed toolsets to assist in the development process, object management, and the end user experience. In working for small companies, I have been involved in both the full software development life cycle (SDLC) as well as supporting the sales and interactive client functions of the business. Working in this environment has provided me the opportunity to understand the techniques and key differentiators associated with the successful design and deployment of value added business applications. I am able to work individually or in a team environment, and am always eager to apply new technologies and development methodologies.

In addition to development, I have taken control of creating several project proposals in addition to writing accurate estimate projections, functional specification documents, Scope of Work documentation, and project administration manuals.

## Technical

- **Languages & Frameworks:** ASP.NET/C#, Microsoft AJAX (formally Atlas), PHP, VB.NET, ASP (classic), HTML/DHTML/XHTML, JavaScript, CSS, XML/XSLT, JSON, .NET Web Services, Adobe Flex, DNS Management
- **Database Systems:** SQL Server 2005, MySQL, Oracle
- **Database Connectivity:** ADO.NET, ODBC, JDBC, DSN-less (OLE DB)
- **Applications:** MS Visual Web Developer & Visual Studio, Dreamweaver, Flex Builder, Photoshop/Illustrator, MS Office Suite
- **Application Server:** Microsoft IIS, Apache
- **Libraries and Platforms:** jQuery, ASP.NET MVC, ASPDotNetStoreFront, Magento
- **Operating Systems:** Windows 9x/XP/Vista/7, Windows Server 2000/2003, OS X, Linux (command line and X-Windows)

## Work Experience

**Groove Commerce** - June, 2009 – Present, Baltimore, Maryland  
*Web Application Developer*

- Worked with a team of 4 (two developers, two designers) to create highly customized ecommerce websites for clients using the ASPDotNetStoreFront cart platform.
- Created modules to easily handle transitions and conversions of product and customer records to new platforms.
- In creating a new ecommerce website for Mervis Diamonds, we were required to modify the newest version of Magento Ecommerce along with a custom skin. Several COTS modules were modified and implemented.

**Redhead Companies** - May, 2007 – June 2009, Columbia, Maryland  
*Web Application Developer*

- As the sole Web Application Developer on staff, I was responsible for implementing advanced web-based technologies to both the company's new and existing web projects. In addition, I played key roles in decision making relating to project technologies, design approaches, and overall software lifecycle management.
- Roughly half of the websites developed implemented a Content Management System I had solely developed at a previous company (*ContentFlare* is detailed under Tivilon work experience). The system was used to aid client personnel to easily build, manage, and maintain their web sites using an intuitive web-based interface. In many instances, the CMS was modified to meet the request of the client. Regardless of the project, the CMS was seamlessly modified to handle the client's specific requests and allowed the client to

effortlessly manage all aspects of their website. It has also increased efficiency in development by cutting initial setup time for the website's framework and administration.

- For clients hosted on Linux web servers, a PHP-based version of the CMS was developed, incorporating a MySQL database instead of SQL Server. Building on ASP.NET's approach to website state and session management, I created a mini framework utilizing a JavaScript/PHP backend, handling such features as: cross-page state management, form validation and reporting, and interchangeable interface modules. The JavaScript aspect of the framework was designed to easily allow a developer to modify page callbacks and page loads by passing parameters through a common set of functions. This approach allowed for page-specific requests to be easily handled without writing additional code.
- By utilizing open-source web toolkits such as jQuery and Microsoft's AJAX toolkit, it has allowed both designers and myself to incorporate functionality and effects that not only provided tasteful "eye candy" but also helped usability of the website. We were able to eliminate the need for Flash animations by utilizing this framework, effectively cutting more costs.

**Tivilon, Inc.** - July, 2005 – May, 2007, Baltimore, Maryland  
*Senior Software Developer and Architect*

- Upon assuming my initial role with Tivilon as a developer, I was involved in several high visibility projects in which, due to the opening of a senior staff position on the development team and my quality of work, I was promoted to Lead Developer. As a principal in this small company I am responsible for the design, architecture, development and management of its web hosting system that supported 50+ active clients. These clients ranged from small to medium size businesses, associations, educational, gaming and entertainment websites involving N-tier logical structures and sophisticated designs, utilizing a wide range of development frameworks. As part of my infrastructure support duties, I am in charge of managing Tivilon's web server farm and Domain Name System (DNS) servers for all websites. As part of my pre- and post-sales functions, I am responsible for writing project plans, Information Architecture (IA) diagrams, layout summaries, functional specifications, and proposal documents for our 50+ web clients.
- One of the sites of which I was the sole developer and architect that received industry-wide recognition was the new multiplayer Sudoku gaming website, Number Logic ([www.number-logic.com](http://www.number-logic.com)). This website was recognized by Time Magazine's "Top 50 Coolest Sites of 2006" from Time Magazine for its use of many Web 2.0-style features, such as AJAX and user generated content. The website was developed using PHP, MySQL, and JavaScript running on Microsoft Internet Information Service (IIS). Features of the website include cooperative and competitive multiplayer puzzles, live chat with registered users, and member profiles. Once receiving recognition, the website is considered one of the most popular Sudoku sites on the web. **Article Link:** <http://www.time.com/time/business/article/0,8599,1222591,00.html>
- As part of an exclusive Tivilon product offering to its clients, I developed ContentFlare, an intuitive Content Management System (CMS) using Microsoft ASP.NET/C# running on Microsoft IIS. ContentFlare uses Object Oriented Design and Development principles to allow any developer or web administrator to navigate the tool set through an intuitive interface designed for simplicity and quick access. The interface supports a collapsible hierarchical tree-structure representation of the website which can easily be accessed and modified to allow for the complete customization of your website structure. The tool set also provides the capability to quickly and easily create a website that utilizes powerful features by placing exposed parameterized .NET object calls onto an HTML page. The tool also supports a custom WYSIWYG editor for managing content and images as well as provides the ability to add elements such as E-Commerce shopping carts, donations pages, custom forms (using a drag-and-drop interface), photo galleries, membership, and newsletters tools.
- Developed AJAX-enabled email campaign creation system, MailHarbor, utilizing ASP.NET/C# and AJAX technologies running under IIS 6. It utilizes Asynchronous JavaScript and XML (AJAX) to allow for partial rendering of web page regions. By utilizing AJAX components efficiently, both the server load as well as the time spent navigating the site is greatly decreased, creating the feel of using a native systems application instead of a normal web page.

**Exceptional Software Solutions** - 2003 – 2004, Linthicum, Maryland  
*Software Developer – Internship*

- I also worked in a 2-person team to create a web-based system, developed in ASP and SQL Server, to aid HR managers by allowing them to efficiently organize applicants throughout the entire hiring process. Once new applicants were stored, the tool then notified various hiring managers of their task with any given applicant during each step of this hiring process. Such tasks ranged from placing a phone call to setting up an interview with the applicant. While the original system was tailored specifically for the company, companies with hiring departments of many sizes could easily utilize it.
- During this internship I was worked individually as well as in groups for a series of small projects during my summer stay. I was sole developer of a document comparison tool, developed in ASP and running on IIS. The application read two Microsoft Word documents through the interface and created markup of revisions, deletions, and added text between them.

## Sample Work

The following websites were functionally developed by me at Redhead Companies, excluding overall page design:

- **Kann Partners: Interior Design** – [www.kannpartners.com](http://www.kannpartners.com) (ASP.NET/C#, SQL Server)
- **TSP Spices** – [www.tspspices.com](http://www.tspspices.com) (ASP.NET/C#, SQL Server)
- **Tai Sophia Institute** – [www.tai.edu](http://www.tai.edu) (ASP.NET/C#, SQL Server)
- **Hartman Design Group** – [www.hartmandesigngroup.com](http://www.hartmandesigngroup.com) (PHP, MySQL)
- **Center for Public Policy and Private Enterprise** – (ColdFusion 7, Oracle 9i)
- **Loudoun County Information Website** – [biz.loudoun.gov](http://biz.loudoun.gov) (Customized DotNetNuke portal with ADA/508 compliance features, ASP.NET/C#, SQL Server)
- **Grass Roots Crisis** – [www.grassrootscrisis.org](http://www.grassrootscrisis.org) (ASP.NET/C#, SQL Server)
- **Hug A Redhead** – [www.hugaredhead.com](http://www.hugaredhead.com) (ASP.NET/C#, jQuery, SQL Server)

The following websites were designed and developed solely by me at Tivilon (unless noted):

- **ContentFlare** – *Demonstration available upon request* (ASP.NET/C#, SQL Server)
- **Websites Utilizing ContentFlare** (ASP.NET/C#, SQL Server 2005):
  - Life and Breath Foundation – [www.lifeandbreath.org](http://www.lifeandbreath.org)
  - Hispanic National Bar Foundation – [www.hnbf.org](http://www.hnbf.org)
  - Archbishop Curley HS – [www.archbishopcurley.org](http://www.archbishopcurley.org)
  - Baltimore Junior Association of Commerce – [www.bjac.org](http://www.bjac.org)
  - Chesapeake Urology Associates – [www.chesapeakeurology.com](http://www.chesapeakeurology.com) (redesigned, but maintains ContentFlare CMS)
  - STC Recovery – *website no longer active*
- **Number Logic: Online Sudoku** – [www.number-logic.com](http://www.number-logic.com) (PHP, MySQL)
- **Mickey Cucchiella Fan Site (98 Rock)** – *Previous website has since been redesigned* (ASP, SQL Server)
- **Personal Projects**
  - TouchPointCMS – [touchpointcms.org](http://touchpointcms.org)
    - Demo: [demo.touchpointcms.org](http://demo.touchpointcms.org) (Username: administrator; password: admin)
    - Upgraded and revamped version of ContentFlare. Almost completely re-written.
    - Implemented module- and template-based development where modules and templates can be dropped into a folder and installed through the interface.
    - Numerous other enhancements.
    - Sites using TouchPointCMS: [touchpointcms.org/WhoIsUsing.aspx](http://touchpointcms.org/WhoIsUsing.aspx)
  - Alyssa Peters Photography – [alyssapeters.net](http://alyssapeters.net) (TouchPointCMS)
  - Lakeshore Lightning Softball – [lakeshorelightning.org](http://lakeshorelightning.org) (TouchPointCMS)
  - Smart Spice – [smart-spice.com](http://smart-spice.com) (TouchPointCMS)
  - ShopLister – [shoplister.net](http://shoplister.net) (ASP.NET/C#, SQL Server 2005)
- **Miscellaneous Website Samples** (ASP.NET/C#, SQL Server 2000/2005 unless noted):
  - Caveman Countertops – [cavemancountertops.com](http://cavemancountertops.com)
  - Organize It! – [nomorepiles.com](http://nomorepiles.com)
- **Inactive Websites**
  - Alere Performance, Squarevox Marketing, MD Mortgage Planners, IPath

## Education

### University of Maryland, Baltimore County

Major: Computer Science

Degree: Bachelors of Science

## Interests & Activities

Computer & web technology research, experimenting with emerging web technologies and trends, as well as playing the drums and doing automotive customization.