▶Brady Prigge

3640 Vermilion Ct N
Eagan, MN 55122
651-235-6120
bradyep@gmail.com
http://syntonicstudios.com/

Objective

Senior software development position in the Twin Cities metro area

Summary

Over the last ten years I've built user-friendly, standards-compliant, good-looking, modular, maintainable and well-documented enterprise web software (including many single-page applications) used by millions for Pearson's Candy, Scotts Company, Wells Fargo and Southwest Airlines. What can I build for you?

- ▶ Has performed the roles of: Senior Software Engineer/Programmer, Applications Architect, Database Designer/Administrator, Graphic Designer, Network Engineer, Flash Animator and Project Manager
- ▶ Quickly and repeatedly promoted in every single place of employment
- ▶ Proven ability to bring about significant improvements in existing systems and procedures
- ▶ Effective in communicating with both technical and non-technical personnel

Skills (most-used listed first)

- ▶ **Languages:** ES6 JavaScript, C#, SQL/T-SQL, HTML5, TypeScript, CSS3, ActionScript 3, Clojure
- ▶ **Software:** Visual Studio 2015, SQL Server Management Studio, VS Code, Git, Virtual Box, Visio, Microsoft Office Suite, Photoshop, npm, Docker, Team Foundation Server, Leiningen
- ▶ **Databases/ORM:** SQL Server 2012, Entity Framework, LINQ to SQL, Oracle 10g
- ▶ **Frameworks:** .NET Core and 4.5, ASP.NET MVC 5, ASP.NET Web API, Node.js, Phaser
- ▶ **Misc.:** KnockoutJS, JSON, Bootstrap, jQuery, XML, Azure, AWS, Angular 2, Windows PowerShell
- ▶ Equally comfortable on OS X, Windows and Linux (can work from prompt and script on all three)

Experience

Senior Software Engineer (formerly Software Engineer)
Aerosim Technologies (Burnsville, MN)
May 2013 – Present

Architected and built a completely new Pilot Training Learning Management and Content Administration System (LCMS) to be used by Aerosim customers in addition to Aerosim administrators. LCMS is made up of several interrelated Single-Page Applications: Report Creation/Administration/Running/Scheduling System, Content and Bundled Content Management, Bulk User Importer and a fully-featured, customizable Secure Exam System. Built new recurrent training content delivery application for Southwest Airlines. Built an LMS Run-Time Environment (RTE) in JavaScript from scratch that could run on both desktop and mobile platforms. Devised, coordinated and executed setting up a new server environment for Aerosim's European customers (KLM, Air France) on Azure in addition to a move of all North American customers (American Airlines, PSA, etc.) to a single North American Azure server setup. Maintained and updated the older user-facing Flex LMS application to support new features such as content bundling, advanced searching and better usability. Fully documented new LCMS and older LMS.

Aerosim Experience (continued)

All projects consisted of: 1) Creating and reviewing specifications with stakeholders and generating estimates. 2) Defining architecture and user interface working alongside Software Engineering Manager. 3) Creating data schema: tables, relationships, diagrams and stored procedures (when needed). 4) Writing all code required by solution: Data Layer (Entities, LINQ queries, repositories), Business Layer (c#), Front-end work done alongside graphic designer to match existing Aerosim and client design work (JavaScript, HTML, CSS). 5) Thorough testing and QA (unit and regression tests). 6) Responsible for all aspects of deployment (Azure, server settings and IIS setup and configuration). 7) Doing any updates or maintenance as needed. 8) Guiding junior developers reporting directly to me throughout the process as well as helping co-workers and customers whenever needed.

▸ Brought technologies and patterns to Aerosim: MVC, RESTful Web Services, Single-Page Applications
▸ Dramatically improved deployment process by outlining and carrying out better processes
▸ Took responsibility for all tasks involved in pushing new work to the production environment
▸ Received high praise from Aerosim customers

Technical Environment: Visual Studio 2015, .NET 3.5 – 4.5, ASP.NET MVC 4, Entity Framework, KnockoutJS, Azure, LINQ, SQL Server 2008-2012, Photoshop, LINQ to SQL, XML, JSON, IIS, Flash Builder, Flex, SQL Server Reporting Services

Founder, Web Developer
Syntonic Studios (Eagan, MN)
January 2011 - Present

Created DSCMS: The Dead Simple Content Management System, a fully functional, fast and simple CMS that runs on ASP.NET Core and SQLite inside an easily deployable Docker container. Developed the Syntonic Studios website: a hand-built, data-driven, fully admin-able, open source blog engine and web application to store my development projects as well as their source code. Built newsglance.net, a customizable "home page" with user-selected newsfeeds in the spirit of iGoogle. Created seven video games on multiple platforms (HTML5/JavaScript, Flash, Windows Executable). Did consulting work for yogamother.com as well as salebow.com that consisted of Joomla CMS configuration as well as front end work (HTML, CSS and JavaScript). Created graphic design and mark-up for stockexplorer.net, an investment education website.

▸ DSCMS is a fast and easy way to quickly deploy nearly any type of dynamic website: blogs, photo galleries, product listings, etc.
▸ The Syntonic Studios website is built on top of the Asp.net MVC 4 framework and utilizes HTML5, LESS and Bootstrap on the front-end as well as Entity Framework and Ninject on the back-end
▸ Games: Shapeshifter, One Screen Racer, The Farthest Possible Place, Catch the Bullet, Speedster, Sleepwalker, Jacks 2000
▸ All video games created from scratch: code, art, sounds and music
▸ Aided in final push that allowed yogamother.com to complete and go live

Technical Environment: .NET Core and 4.6, Asp.net MVC, Visual Studio 2015, Visual Studio Code, TypeScript, Docker, AWS, Phaser, npm, Adobe Flash Professional, Adobe Flash Builder, Git, Joomla, PHP, Photoshop, Dreamweaver, Autodesk Sketchbook Pro

Web Developer
National Business Systems (Eagan, MN)
June 2009 – April 2010

Developed "cross repository" search functionality for SODA (Secure Online Data Access) platform, a sophisticated web-based document retrieval system – a task which required a near total rewrite of the underlying data layer. Aided in redesign of existing Stihl CMS system utilizing the Microsoft MVC framework and intense database restructuring. Took over development responsibilities for LLMC Digital, a large system that archived documents and books relating to law. Created ad-hoc web applications for NBS clients: polling, rebate tracking, marketing emails.

▶ Successfully upgraded SODA search functionality to facilitate addition of new NBS client account: Metavante
▶ Pushed development team to use a more modern approach to development – OO, normalized databases, separation of content and presentation in web work
▶ Delivered a 100% success rate on content transitions from stage to production environments. Helped develop standard procedures that ensured successful "live pushes"

Technical Environment: Visual Studio 2008, .NET 3.5, asp.net MVC 1.0, Visual Basic, .NET Remoting

Project Champion (formerly Software Engineer, formerly Business Applications Developer)
Staywell Health Management (St. Paul, MN)
May 2006 – April 2008

Developed Staywell's "Incentives Module" – a large initiative that automated the setup, tracking and awarding of "incentives" for participants completing various health program objectives. Contributed to design and architecture discussions and wrote detailed technical designs as well as end-user documentation. Wrote application code (c# and asp.net) for many different components of the Incentives Module; also wrote stored procedures for the database as well as complex synchronizing mechanisms for handling data going to and from remote databases via web services. Developed intensive unit tests as well as high level functional tests. Worked with IT to generate a build and deploy plan, including the writing of MSBuild scripts. Explained and demonstrated the Incentives Module to Staywell employees as well as Staywell's customers. Created application UI design/layout and script generation. Produced ad-hoc data reports as requested. Organized, kicked off and lead the 'Email and eMessaging' project.

▶ Created well received, highly visual documentation for personnel at all levels
▶ Came up with inventive solutions for problems that kept arising in the Staywell environment: intelligent logging, html email notifications, robust web service handling
▶ Had remarkably low occurrence of issues with developed applications
▶ Was only developer, out of 8, selected to lead a new 2008 project – eMessaging and EMail

Technical Environment: Visual Studio Team Edition 2008, .NET 3.5, c#, SQL, Oracle, PL/SQL, ASP.net, Visio, MSBuild, Windows PowerShell, Photoshop CS2

Software Engineer (formerly Web Engineer)
Orbit Systems (Eagan, MN)
June 2004 – April 2006

Responsible for single-handedly building sophisticated web applications, windows applications, websites, and intranet sites for Orbit and its clients. Defining needs to be met, project scope and estimated hours. Drawing up underlying architecture (Data, Business Logic and Presentation layers). Designing and constructing database solutions to meet application or site needs. Creating and implementing web page designs and layouts (either from scratch, based on existing sites or client specification). Writing all necessary code and testing functionality and performance. Working closely with clients to define, develop and refine solutions. Also responsible for overseeing and aiding junior developers.

▸ Responsible for implementing best practices in web division: Improved design architecture, implementation of accessibility and web standards using xhtml + css, and introducing fully normalized database design with referential integrity
▸ Came up with innovative uses for technologies such as RSS, XML, Flash and Active Directory

Technical Environment: Visual Studio 2005, .NET 2.0 and 1.1, ASP.net, c#, SQL Server 2000, HTML/XHTML, css, Javascript, Flash, ActionScript 2.0, Photoshop, Fireworks, Visio, ColdFusion MX 6.1 and 7, Fusebox, Microsoft Access, Ajax, php, VB Script, Illustrator

Interactive Developer (formerly Junior Developer, formerly Production Assistant)
Martin|Williams Advertising (Minneapolis, MN)
June 2002 – September 2003

Technical lead in the Scotts Company's email marketing campaigns. Responsible for the creating, editing, sending, tracking and testing of four separate marketing campaigns going out to well over half a million subscribers. Developed software and processes that further automated the email program. Was also responsible for maintaining and updating both internal and client websites and web-based applications.

▸ Technical lead and administrator of successful and well-known email marketing campaigns
▸ Completely revamped the way campaign email content is edited to allow client to quickly and easily make changes to programs without the aid of M|W developers, further streamlining the process of email creation
▸ Wrote scripts that edited xml files and saved the project management team a great deal of time in making site-wide changes to content in client websites

Technical Environment: ColdFusion MX 6 and 6.1, Fusebox, MVC, xml, XMLSpy, html, cvs, Windows XP/2000, Dreamweaver, vim, perl, JEdit, SQL, MS SQL Server, Javascript, Adalon, Contribute, Photoshop 7/6, Quark Express, Dos Shell scripting

Education

Bachelor of Arts in both Quantitative Methods and Computer Science as well as Economics
University of St. Thomas (St. Paul, MN) **-** Graduated 2002

▸ Cumulative GPA: 3.3/4.0 (Dean's List recognition for several semesters)