

BRET MCGOWEN

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Summary

Software developer with 12 years of professional experience in building software, with a heavy background in web development and web user interfaces. I have extensive experience in all phases of a project's life cycle, from project planning and requirements gathering through conceptual and visual design and ultimately implementation and maintenance. I am frequently the liaison between the business interests and technical interests, representing the goals of both parties and suggesting effective and practical solutions that can be delivered in the given timeframes. I successfully develop user-centric applications that are intuitive and functional. I have worked in varying organizations and environments: government nuclear laboratory, web startup, University, non-profit organization, billion-dollar enterprise and private consulting.

Technical Skills

- ASP.NET 2.0, 3.5, 4.0
- C#
- VB.NET
- .NET Frameworks 1.1 to 4.0
- WPF
- XAML
- WCF
- Web Services
- Ajax
- jQuery
- SQL Server 2000 - 2008
- T-SQL, Stored Procedures
- Visual Studio 2003 - 2010
- Visual Studio Team System
- Entity Framework 4.0
- NHibernate
- MVVM Pattern
- JavaScript
- CSS
- Regular Expressions
- XML
- HTML
- C++
- PHP
- ColdFusion
- Perl
- MySQL
- DTS
- SSIS
- Java
- Oracle 10g/11g

Professional Experience

Motigent, LLC
CTO

August 2010 - Present
San Antonio, TX
www.Motigent.com

- Co-founded a technology and software development consulting company in San Antonio. Company focuses on delivering software on a variety of platforms: web, touchscreen, Windows application (WPF)
- Accepted into the Microsoft BizSpark startup program
 - **Client: Electronic Compliance Solutions, Inc.**
 - Motigent was chosen by ECS to be the sole technology and software development provider to develop their medical industry startup. We built projects through the entire software development lifecycle from general "back of napkin" ideas through requirements gathering, customer interviews, prototype building and production deployment. Projects included 5 ASP.NET websites, a touchscreen application, a Windows application, as well as backend WCF and Web Services
 - Motigent provided an immediate impact with our resources (2 full-time and 2 part-time) and suggested and vetted additional resources as the project required

Technologies used: ASP.NET 4.0, C#, WCF, WPF, XAML, WCF Data Services, SQL Server 2008, Entity Framework 4.0, MVVM, Web Services, AJAX, JavaScript, jQuery, Microsoft Team Foundation Server

2010, IIS 7.0, Windows Server 2008, T/SQL, Digital Persona Biometrics SDK, ELO Touchscreen hardware, DataMatrix formatted barcodes

Harland Clarke - IT Architecture and Development

Sr. Software Engineer, Team Lead (2/2010 - 8/2010)
Software Engineer
Sr. Programmer Analyst

March 2008 - August 2010

San Antonio, TX

www.HarlandClarke.com

- Helped recruit, interview and hire a brand new development team. Interviewed and made recommendations on hiring Software Engineers and QA Analysts. Served as the primary determiner of technical adeptness and provided input into non-technical recruiting considerations such as team fit, motivation, creativity and adaptability
- Helped create and enforce team processes, including Agile/Scrum processes. Worked with other groups to define our development team's interactions with the QA and business teams
- Team lead for a San Antonio-based development team consisting of 5 FTEs and 7 consultants
 - Provided technical direction for the developers, including architectural guidelines
 - Primary liaison from the development team to the business, representing the interests of both parties and suggesting efficient, effective and practical solutions that could best solve everyone's needs and concerns
 - Primary liaison from the development team to the QA team
 - Served as the primary resource for dividing tasks among team members, making sure that work was spread evenly and that the team developed a good cross-section of knowledge to produce better redundancy on the team and cross-pollinate ideas from different developers into different areas of the application
 - Mentored and provided support for all developers on the team
 - Filled in for the Development Manager during his absence, approving timesheets, representing the team to upper management, and generally managing the team
 - Assisted the ScrumMaster and served as acting ScrumMaster when the primary ScrumMaster was unavailable
- Led a \$15.5 million website migration project including architecting and developing a new e-commerce platform in 15 months
- Launched four clients on the new e-commerce platform, which brought in an estimated \$20 million in annualized revenue
- Led the effort to create a Content Management System (CMS) for the business users to create and manage content for the e-commerce site in a non-technical way while allowing technical users to utilize their skills to step outside the CMS when appropriate
- Maintained and gave suggestions to improve the continuous integration and build and source control branching processes

Technologies used: ASP.NET 3.5 and 4.0, C#, VB.NET, SQL Server 2008, Microsoft Team System 2008, IIS 6.0 and 7.0, Web Services, Ajax, jQuery, NHibernate, T-SQL, Oracle 11g, HP QualityCenter

The Association of Former Students

Webmaster (4/2006-3/2008), Web Developer

August 2004 - March 2008

College Station, TX

www.AggieNetwork.com

- Served as the organization's lead for developing an Internet strategy
- Directly managed three employees and set development schedules

- 2007 Site Redesign: managed a 5-month redesign of the organization's website
 - Conducted competitor analysis, customer surveys, usability analysis and requirements gathering. Met with various stakeholders, from executive management to end users
 - Migrated site code to Object-Oriented classes and methodologies in ASP.NET 3.5
 - Created a site style guide for improved site consistency and usability
 - Designed completely new visual and graphic design for website
 - Project was completed on time and under budget
 - Near universal praise for improvements in visual appeal, ease of use, and performance enhancements
- Managed and developed functional improvements to site containing over 200,000 lines of ASP.NET code that handled 20,000 page views per day and over \$1.5 million in transactions per year
- Designed, architected and developed a custom Content Management System for delivering content on the website. Utilized caching to maintain performance with limited hardware. The CMS improved the organization's flexibility by enabling employees to manage their content directly rather than going through the web team for content updates
- Rewrote legacy database data syncing script and reduced execution time from 5 hours to 30 minutes
- Conceived of and implemented an improved registration system that reduced phone and email support by 70%
 - Created Web Services interface for registration and authentication system to allow affiliated partners to take advantage of the registration and unified login system
- Project planning: created storyboards, database diagrams and development timelines for projects
- Designed and programmed web interface to interact with LDAP for managing 21,000 email forwarding addresses
- Implemented functionality to reduce (by 95%) the time the web team spent creating online registrations

Technologies used: ASP.NET 2.0 and 3.5, VB.NET, SQL Server 2005, Microsoft Team System 2005, IIS 6.0, Web Services, PHP, Telerik commercial controls, MyGeneration code generating tool, EntitySpaces for persistence and business objects

Sceva Consulting

January 2005 - Present

Freelance Web Developer and Project Manager

www.sceva.com

IT Management Suite

Developed web application to allow IT departments to manage software licensing, hardware asset tracking, support tickets, knowledge base articles, graphical wiring and hardware maps, and processing of firewall scripts

Alumni Virtual Communities

Created a web application to allow groups to create and personalize a web presence with content management of static pages, calendars, job boards, news postings, user profiles, user photos, and membership directories

Code Generator

Developed extensible, template-based code generator to automatically create stored procedures and VB.NET business object classes from a database table. This cut development time by approximately 25%

Super User Financial Reporting

Built secure reporting enhancements for customer's existing web application

Texas A&M, College of Education - TLAC/TEAM
Web Developer - Part-Time

September 2002 - August 2004
College Station, TX
tlac.tamu.edu

- Developed features in Perl for the i-Folio online portfolio system with over 7,500 users
- Developed several applications in PHP/mysql: equipment reservation system, work and task scheduler, job search system for teaching candidates and school employers, workshop registration system

K2Share, LLC
Web Application Programmer - Part-Time

March 2001 - May 2002
College Station, TX
www.k2share.com

- Worked during the startup phase of the organization; member of the team that developed the interface design and programming implementation of the original Preceptor™ e-learning product
- Extensive web application coding, including: server side programming, JavaScript interactivity, database design and stored procedure development
- Developed application page flows and storyboards; studied usability with respect to user interface and navigation

Technologies used: ASP.NET 3.5 and 4.0, C#, VB.NET, SQL Server 2008, NHibernate, Microsoft Team System 2008, IIS 6.0 and 7.0, Ajax, jQuery, T-SQL, Oracle 11g, Web Services

Sandia National Laboratories

August 1998 - August 2002
Albuquerque, NM

Nuclear Stockpile Surveillance and Data Management System - Intern
June 2000 - August 2000 and June 2002 - August 2002

- Modified existing application to allow editing of weapons testing data and metadata
- Extended various capabilities of existing application, including incorporation of search engine

Nuclear Explosion Monitoring Research & Engineering Program - Intern
August 1998 - August 1999

- Developed website for the 1999 Seismic Research Symposium
- Researched various automated web application testing technologies and commercial solutions
- Extended NEMRE application by adding data editing and searching capabilities

Technologies used: ASP.NET (1.1 through 3.5), VB.NET SQL Server 2000 through 2008, T/SQL, JavaScript, AJAX, SSL, PHP, Perl, EntitySpaces Business Objects

Awards

- 2009 Harland Clarke Pillar of Excellence Award Nominee
- 2006 Texas A&M University medal of service for website work performed in support of Hurricane Rita relief efforts
- 2005 CASE District IV Award Winner, Bonfire Memorial Page
- National Merit Scholar

Education

Bachelor of Science in Computer Science with Business minor, Texas A&M University

Professional Development

- ScrumGathering 2010 in Orlando, FL
- VS Live! 2007 in Austin, TX
- VS Live! 2006 in San Francisco, CA
- Microsoft TechEd 2005 in Orlando, FL