

Craig Wilson  
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## SUMMARY

Expert in object oriented design and development of enterprise level applications utilizing proven patterns and domain models.

## COMPUTER SKILLS

### Languages

- Expert in .NET 1.1 – 4, C#, VB.NET, ASP, Javascript, SQL, XML, HTML
- Proficient in: PHP, C, C++, Delphi
- Familiar with: Java, Ruby, Python, Boo, f#

## EXPERIENCE

### Senior Programmer/Analyst

June 2008 – Present

#### *GuideStone Financial Resources*

- Involved in the training of other developers. This includes writing training plans and mentorship of less experienced developers.
- A part of the architecture team which handles design and code reviews along with maintaining and settings goals for the design of our internal systems.
- Ran a number of workgroups designed to find solutions for enterprise problems. One such workgroup included research and recommendation to centralize business logic into a rules management system.
- Software development included integration with legacy systems utilizing message/event driven architectures. (.NET 3.5, WCF, ASP.NET, Javascript, SQL Server, DB2)

### Lead Programmer / Analyst

Aug. 2006 – June 2008

#### *John Brown University*

- Primary responsibility is the development of software to streamline business processes. The latest projects are...
  - Document imaging/workflow solution with custom print drivers using web services for document access. (.NET 3.5, C#, VB.NET, ASP.NET, AJAX, HTML, XML, MVC, Javascript, WinForms, WCF, OR/M, SQL Server)
  - A centralized application oriented authorization system providing security through web services. Integrates with LDAP servers and database oriented role providers. (.NET 3.5, C#, WCF, OR/M, SQL Server)
  - Web based timecard management system utilizing approvals and integration with payroll system. (.NET 2.0, C#, ASP.NET, MVC, HTML, XML, WinForms, OR/M, SQL Server, DB2)

### Adjunct Faculty

Aug. 2006 – June 2008

#### *John Brown University*

- Database Driven Web Development (ART 4343)
  - Topics covered include RDBMS schema design and PHP.
- .NET Development. (CS3203)
  - Topics covered include OO Design, Reflection, Data Access, and Custom Control Creation using C# and VB.NET.

May 2005 - Aug. 2006

## **Programmer / Analyst**

*John Brown University*

- Development of software to automate processes. (.NET 2.0, C#, VB.NET, Access, ASP.NET, HTML, XML, WinForms, SQL Server, IBM DB2)
- Provide data mining and analysis. Mostly use SQL Server Reporting services for end user availability. (SQL Server, IBM DB2, T-SQL)

## **Web Development Freelancer**

2001-Present

*Self-Employed/Contract Employed*

- Converted/Created data driven websites from static html pages.
  - Architected database design. (MySQL, PostgreSQL, PHP, MVC)
  - Worked with artists for site design. (Dreamweaver, HTML, XML, XSLT)
- Create Custom Content Management Systems for administration/customization of data driven websites.

## RELATED EXPERIENCE

### **Published Articles**

- Have submitted two articles to Code Project (<http://www.codeproject.com>) that have been well received.
  - "An Object Level Validation Framework" – details the design and use of a validation framework for .NET that can be externalized into XML, internalized via attributes, or programmatically implemented. It eases the use of declaring business rules in code and assuring that the objects are valid before storing them in whatever means appropriate.
  - "Data Table Adapter" – details the implementation of the adapter pattern for business object collections and the use of the ObjectDataSource control in ASP.Net.

### **Open Source Efforts**

- Began a project for a CQRS framework (<http://github.com/craigwilson/clover>).
- Active Participant in the MongoDB-csharp project (<http://github.com/craigwilson/mongodb-csharp>).
  - Written the mapping portion to enable automatic conversion from objects to documents including a rudimentary Linq Provider.
  - Have answered questions regarding use and implementation.
- Passive participant in the Castle Project (<http://www.castleproject.org>).
  - Have detailed several bugs and their corresponding patches.
  - Have answered question regarding the use and implementation of said software.

### **Speaking Engagements**

- Tulsa Tech Fest (October 2007)
  - Event Model in Winforms
    - A beginner's guide to event-driven programming by looking in depth at delegates and event and how to use them effectively in multi-threaded WinForms applications.

## EDUCATION

- B.S. in Computer Science from John Brown University, Aug. 2002 – May 2005
  - Mostly learned and developed on Linux machines.
  - Took electives in Data Transport Protocols and Compiler Creation.