

Fabian Agudelo

Tech Lead of Software Development / OOP Architect

PROFILE

Resourceful and self-motivated leader with out-of-box thinking. Detail-oriented, energetic, results-driven professional with experience developing and implementing workflow and new business concepts in extremely large data environments.

EXPERTISE

- Leadership
- High-Traffic Web Programming
- SDLC Execution
- Service-Oriented Architecture (SOA)
- Project Management
- Trained at Microsoft headquarters on Workflow

SKILLS

- **Programming Skills:** .NET 3.5, 3.0, 2.0, 1.1, ASP.NET MVC, WinForms, WebForms, C#, VB.NET, jQuery, LINQ, ADO.NET, Design patterns, Multi-threading, Object-oriented design (OOP), WPF, XAML, Windows Workflow Foundation, Socket programming, WCF, XSD, Software Factories, Application Blocks, Asp.Net AJAX, CAB, PrototypeJS, JavaScript, VBScript, CSS, DNN Modules, Web Services, WSDL, XML, MSMQ, VB6, PHP, ASP 3.0, ADO 3.0, Infragistics, Telerik, Dundas, etc.
- **Technical Skills:** SQL Server 2005/2008, Relational databases, T-SQL, Oracle 10g, MySQL, TFS, SQL*Loader, VisualStudio.NET 2008, Access, XMLSpy, IIS, DNS, SSL, Search Engine optimization
- **Management Skills:** Scrum & Agile Methodologies, UML, Use Cases, Sequence Diagrams, DFD's, Timelines, Data Modeling, Technical Design Documents, Full SDLC Management, etc.

EXPERIENCE

Feb 2006 - Mar 2007, Apr 2008 - present **MYSpace.COM**

Tech Lead, Software Development

- Technical lead and architect on mass mailing application that sends 50M emails a week. Built in **ASP.NET MVC**, and created custom framework leveraging MVVM design patterns. Leveraged **LINQ-to-Entities** and extensions to reduce server calls while joining and filtering objects.
- Created XML for user segmentation lists and hyper-targeting data using **LINQ-to-XML** and again for converting them to custom Aster queries for interaction with the data warehouse.
- Built WCF web services for mass mailing application for custom interfacing with partners.
- Worked closely with stakeholders to establish requirements and create a cross-functional solution that reduced 2-week long process down to 20 minutes; application was ported to custom API's and is now currently responsible for generating \$5.6M annual revenue.
- Built infrastructure for monitoring **web farm of 147M Users**, 4,000+ web servers, 400+ database servers, and 200+ databases. Architected using C#, UDP, Web Services, ASP.NET, and Infragistics as a scalable **asynchronous threading client-server model**. Used composite design patterns for dynamic plug-in integration through Interfaces, Reflection, and Web Service messaging. Developed SQL database, jobs for archiving, and stored procedures for gathering data and building numerous report types. Application, called *Viewspace*, is used by the entire company.
- Built **.NET 3.0 Windows Workflow** multi-tier system with Persistence and Tracking for **SOX** compliance. Proactively approached the need for workflow management in the Approval/Deployment process. Currently used by 80 developers and 10 DBAs.
- Built client-server **TCP Socket Listener** infrastructure for centralization of alerting data. Event-driven model would allow messages to be pumped and deserialized for dynamic display in *Viewspace*. Display was based on a custom Widget Engine I built in **Windows Presentation Foundation** and **XAML**. The same client-server architecture was used to develop a central Operations chatroom.

Feb 2008 - Mar 2009 **Attorney Title Insurance Fund**

Contract - Sr. Software Development & System Architecture

- **Architect** for Frameworks built from the ground-up for Unit Testing, Validation, and Data Access.

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- The core was a robust, reusable **Entity Framework** and they all became used company-wide for use in WPF, WinForm CAB, and WCF Applications of multiple service bindings. It was 15% faster than DAAB and 35% faster than LINQ-to-SQL, which was integral for massive data transfers.
- Lead project on **WCF web service** orchestration for retrieving massive documents from billion-record databases of county data.
- Created **Technical Design Documents (TDD)** and Architecture Models complete with UML Use Cases and Sequence/Interaction Diagrams. Designed and analyzed XML & XSD schema definitions.

Jul 2007-Jan 2008 **Adventist Health System**

Contract - Sr. Web Software Engineer

- **Dot Net Nuke** custom modules developed in C# and ASP.NET 2.0 for use by multiple hospitals.
- Built **e-commerce shopping cart** and system using .NET FormsAuth tickets, SQL 2005, and integration with Bank of America merchant.
- Custom implementations include Calendar using iCal standard, ASP.NET Ajax, PrototypeJS, Telerik RadControls, JavaScript, CSS 2.0, Web Services, **Team Foundation with Scrum**, etc.

Mar 2007-Jul 2007 **Riptide Software**

Contract - Sr. Web Software Engineer

- Began ASP.NET web app for interfacing to multiple formats of **travel booking service engines**.
- Worked on **DoD Missile Targeting** project in **CTIA framework** in Java and Oracle after ASP.NET project failed to get funding.

Jun 2004 - Jan 2006 **VOIP Inc.**

Tech Lead, Software Development

- Lead development on two management applications in C#, VB.NET, ASP.NET and SQL Server. They incorporated a custom role-based authentication for dynamic UI's.
- Created SOA-based order delivery using **MS MQ Message Queuing**, **ASP.NET Web Services**, and **Serialization** for guaranteed delivery of order and device provisioning requests.
- Developed provisioning system to parse XML or other input data and build custom database schemas on-the-fly for device provisioning. Developed T-SQL functions to retrieve streamlined sysobject data at runtime for sub-second performance.
- Proactively engaged projects that were pressing to make operations more efficient. Developed as .NET WinForm applications or WebForm ASP.NET applications.

Jun 2001 - May 2004 **GINGON (JIN-JON) Solutions**

Tech Lead, Software Development & DBA

- Presented plan for new **CRM software product**, *MoverworX*. Then developed it in SQL Server, VB.NET, ASP.NET, C#.NET, Crystal Reports, and various .NET components. Features include security, encryption, importing data, string & XML parsing, module activation, automated processes. More than 100 companies purchased the CD and are successfully using it daily for client management, sales automation, human resources, and marketing control.
- Created *MoverMAX.com website and admin tools* for billing, search engine optimization, marketing administration, and targeted leads distribution for over 42,000 leads a month.
- Developed idea for new marketing tools. Created page generation tools in VB6 and management system in ASP 3.0 to track campaigns, **increasing annual profit margins by over \$200,000**.

Jan 2000 - May 2001 **OrlandoBiz**

Web Application Developer

- Planned and lead team in developing web-deployed ASP 3.0/MS Access software, *BizMedia* to manage client database and *EXpoNET* for expo registration & management.
- Developed 128-bit **SSL e-commerce** expo registration online with tied-in merchant account.

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- Developed Cost analysis reports and Project management schedules with Visio and MS Project.

EDUCATION

Jun 2001

University of Central Florida

Bachelor of Science in Management Information Systems

- Course Emphasis in Business and IT Management, and Software Development and Implementation