



# Miguel A. Castro

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.NET Consultant & Trainer :: Microsoft MVP :: INETA Speaker :: ASP Insider :: Conference Speaker

Updates to this resume are regularly posted to [www.dotnetdude.com](http://www.dotnetdude.com)

## *Passion for Technology is my Strategy for Success*

### General Summary

**.NET Consultant, Author, Speaker, and Trainer with over 22 years of IT experience. Awarded Microsoft Most Valued Professional (MVP) award.** Background in full automation solutions encompassing all aspects of a project's life cycle, including data gathering, architecture, design, development, documentation, and training. **Excellent communication and presentation skills. Member of the International .NET Association Speakers Bureau.** Have served as team-lead as well as in a mentor and teaching capacity to other developers regarding new technologies. Experienced in layered architecture-based software design and extensibility pattern design. Active and recognized member of the Microsoft community. **Member of ASP Insiders.** Spoken at numerous developer conferences and user groups. **Fluent in both VB.NET and C#.**

### Technologies

- .NET Framework/CLR 1.1, 2.0, 3.0, & 3.5
- Visual Basic/ASP
- ADO.NET
- .NET Windows Forms
- Microsoft Message Queue Server (MSMQ) / IBM MQueue Series (COM/DCOM/COM+)
- Microsoft SQL Server (inc. 2005)
- .NET Windows Services
- Crystal Enterprise .NET SDK
- Data Dynamics SharpUI for .NET
- E-Commerce technologies
- NUnit Unit Testing tool
- WebDav
- DeveloperExpress Control Suite
- Telerik Component Suite
- Innovasys Help Authoring products
- Linq
- Windows Presentation Foundation
- Windows Workflow Foundation
- C# / Visual Basic.NET
- ASP.NET 2.0 & ASP.NET Ajax 3.5
- ASP.NET Custom Webcontrol Development
- Microsoft Transaction Server (MTS)
- HTML/DHTML/JavaScript
- XML, XSL/XSLT, XSD Schema, XSL-FO
- Sybase / Oracle
- ASP.NET Web Services
- UML
- Infragistics Suite for .NET
- Data Dynamics Active Reports
- NAnt Build Utility
- ComponentArt Web Suite
- Visual Studio 2003 & 2005
- Design Patterns
- Visual Studio Team Suite
- CSLA Business Framework
- Windows Communication Foundation
- Microsoft Silverlight

### Qualifications & Experience Summary

- Architected, designed, and development of .NET based products in both VB.NET and C#. Products include Web systems, Windows applications, and Windows and Web/WCF services.
- Performed various training sessions around the country on .NET Technologies.
- Developed systems through complete project life cycle. This includes all hardware and software integration, application architecture, object and component design and development, database design, web page design and development, documentation, and education.
- Architected core framework components for use in multiple applications and software factories.
- Developed a variety of ASP.NET Server Controls for open & commercial distribution.
- Architected projects for extensibility using plug-in architectures, provider models, and external-event patters designed specifically for ease of later enhancement.
- Provided clients with architecture specifications including use-cases, UML component diagrams, UML sequence and state diagrams, flow documents, and design specifications.
- Served as technical lead for projects and development teams. Provided training and mentoring for developers in multiple technologies.
- Conducted various training classes on object design concepts, database design, coding style and technique, and product training.
- Developed full technical documentation as well as user documentation using industry-standard MSDN style help.
- Designed and implemented complete multiprotocol LANs through all stages from original wiring design, router and switch layouts, server setups, and client integration.
- Provided architecture consulting and mentoring to multiple clients.
- Presented at various user groups and code camps in multiple states.
- Experienced trainer for both corporate on-sites and public classes in a variety of topics.
- Regular contributor to CoDe Magazine and active technology blogger ([www.geekswithblogs.com/mcastro](http://www.geekswithblogs.com/mcastro)).
- Regularly present at developer conferences around the world.

## Work History

### • Training & Mentoring

*The following are just some of the clients that have received developer training and mentoring from me in areas including ASP.NET, WCF, C#, VB.NET, .NET Framework, Custom Web Controls, & CSLA Business Framework.*

**Franklins.Net**  
**American Online**  
**Intuit Corporation**  
**Coca Cola Enterprises**  
**Market Source**  
**State of Alabama, Dept. of Education**  
**Crossmark**  
**QC Holdings**  
**First Responders**  
**University of Connecticut**  
**State of Tennessee**  
**Computer Aid**

**Rowan University**  
**Cox Media**  
**ING Financial Services**  
**Market Source**  
**US Air Force**  
**State of Alabama, Dept. of Medicaid**  
**Watch Captain**  
**Millenium Pharmaceuticals**  
**Magenic**  
**E-Systems**  
**Sierra Health**

*In addition to these and many more clients, I have held public training classes in numerous locations around the US in all the above topics. I am also the **exclusive** instructor for the world renowned CSLA Business Framework.*

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- **SteelBlue Solutions – (Jan 02 – Present) - .NET/SQL Architect and Developer**

**CodeBreeze - THE code generation productivity tool**

Developed and distribute commercial code-generation productivity tool. Information can be obtained at [www.steelbluesolutions.com](http://www.steelbluesolutions.com).

**sbGallery Pro Suite**

Developed commercial ASP.NET WebControl suite to allow the integration of online photo galleries in any application. The freeware version of this control is available for free download from [www.dotnetdude.com](http://www.dotnetdude.com), as are other free components I've developed over time.

**SteelBlue Site** (scheduled for Jan. 2007 release)

ASP.NET 2.0-based e-commerce site engine used for selling products, services, and exposing news, events, community information, etc.

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• **Perfect Software – (Jan 06 –June 06) - .NET Architect and Consultant**

Rearchitecting the companies software platform for .NET 2.0. Engineering a distributed architecture for the re-writing of the companies product suite covering the Human Resources and Payroll sectors. Architecture accomodates customers with tiers running on local site and customers with distributed software needs. Developing horizontal frameworks for their entire product suite and vertical frameworks specific to each product's needs. Architecture includes multiple layer approach including servicing layer encompassing a service oriented architecture to facilitate transports across machines. Framework components include Locking, Transaction, Security, Auditing, Tracing, Tree-Support, Asynchronous Servicing, Notification, Globalization, Workflow, Forms Building, and Scripting (allowing .NET Script support to enhance application at runtime, akin to VBA in Excel and Word).

Developing the companies product suite based on the described architecture. Products include a combination of Web and Windows applications as well as Control Services using Sockets communication and MSMQ.

Developing a custom webcontrol-based form-building and workflow toolkit to be used in all their ASP.NET-based products.

*Technologies include ASP.NET 2.0, VB.NET 2005, C# 2005, XML, SQL Server, WebServices, Remoting, and futurization support for upcoming Windows Communication Foundation (Indigo). Also using 3<sup>rd</sup> party products from Developer Express, Actipro Software, and Telerik.*

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• **26 New York – (Nov 05 –Dec 05) - .NET Architect, Developer, and Consultant**

Developing a web ordering system for a company based in Tokyo and Osaka, Japan. Site to incorporate a centralized mechanism for handling globalization. Also developing a series of Web Services designed to expose the site data in order to regularly synchronize with a database at the main company headquarters.

Providing customer with a complete framework and software factory serving as the foundation for future site development.

*Technologies include ASP.NET, VB.NET, NUnit, XML, XSL.*

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• **Amerada Hess Company – (May 05 –Oct 05) - .NET Architect, Developer, and Consultant**

Provide continuing architectual guidance and .NET development in a variety of products, both Windows and Web based. Also to introduce standards and guidelines in areas including database design, layer architecture, naming conventions, and coding standards. Mentor and guide through the implementation of a software factory involving everything just described.

On-going development of many core framework components for integration into software factory.

***ICN Project Tracking***

Developed an ASP.NET site to track Sarbanes-Oxley compliance progress in all projects throughout the company.

***Confirmation Document Tracking***

Architected & developed system to receive emailed oil trade confirmations and process them against entered deals. System developed in ASP.NET and VB.NET with a SQL Server backend and a multitude of .NET components developed in C#. Also included a group of .NET Windows Services.

*Technologies include ASP.NET, VB.NET, C#, DevExpress .NET Suite, NUnit & NAnt Open Source Products.*

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• **Chubb & Son – (May 04 – May 05) - .NET Architect, Developer, and Consultant**

***Contingent Commissions Rewrite (aka: ProComp)***

Served as .NET co-architect, developer, and mentor in a team environment assigned to rewrite one of the two highest profile systems at Chubb.

My responsibilities were to steer the team in their adaptation of the .NET development platform, provide mentoring and training, and also perform all ASP.NET design and development. Developed an ASP.NET site to handle contingent commissions maintenance for insurance producers.

Co-architected a document generation system to be used firm-wide. The architecture decided on was a provider-model, similar to that used in ADO.NET and designed to process XSL-FO templates into PDF documents. This model was extended to the rest of the firm providing document generation needs to other projects.

*Technologies include ASP.NET, VB.NET, C#, Infragistics .NET Suite, Microsoft .NET Application Blocks, NUnit & NAnt Open Source Products, XML, XSL, XSL-FO, PDF Generation.*

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• **Kraft Foods – (Aug 03 – May 04) - .NET Architect, Developer, and Consultant**

***Integrated Sales Reporting Project***

Worked as .NET lead on a team project that was the first large-scale combined project since the Kraft and Nabisco merger. Developed a portal web site in ASP.NET to be used by all levels of management at Kraft to monitor and report on real-time sales figures, earnings, and other company related information.

*Technologies include ASP.NET, VB.NET, C#, SQL Server 2000, Crystal Enterprise 10, Infragistics .NET Suite, and interaction with an DB2 Data Warehouse.*

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• **Paloma Partners – (Jun 03 – Sept 03) - .NET Architect, Developer, and Consultant**

***OATS Compliance Project***

Co-architected and developed a solution for transferring trade data to the NASDAQ Order Audit Trading System (OATS). System consisted of a set of .NET Windows Services which performed monitoring, processing, and alerting functionality, WinForm applications for testbeds and monitoring tools, and ASP.NET Web Application for maintenance and administration.

Wrote use-cases, technology overviews, component UML diagrams, GAP Analysis, Component Architecture & Flow documents, and MSDN-style Help.

Was brought in to assist this client in their adoption of the .NET platform, as well as training and advising on the use of Microsoft .NET technologies, including C# and ASP.NET. Assisted in setting up the .NET

infrastructure and what was to become their initial software factory.

*Technologies include C# utilizing a Sybase backend. Admin web site developed in C# and ASP.NET.*

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- **Harrison Software – (Dec 02 – Jun 03) - .NET/SQL Architect and Developer**

***www.harrisonsoftware.com***

Architected, designed, and developed an e-commerce web site for a software company in Minnesota. Included customer profile administration, product download and licensing functionality, and on-line credit card processing.

*Technologies include ASP.NET, C#, VB.NET, ADO.NET, CSS, HTML, JavaScript, XML, XSL, and Oracle.*

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- **Merk-Medco – (Oct 02 – Jan 03) – VB/Web Architect and Developer**

Architected, designed, and developed a report management system using VB, ASP, and SQL Server. This system handled the scheduling of component-based reports and provided an access method for viewing and downloading said reports.

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- **InfoTek Consulting Group, Inc. – (Jan 02 – Present) - .NET/SQL Architect and Developer**

***www.freemasonryusa.com***

Architected, designed, and developed a full content management site using .NET technologies and SQL Server 2000. Site uses e-commerce to subscribe Masonic Lodges to a service permitting them to establish their own web site and fully administer its content. Written in C# and ASP.NET. Used a .NET Windows Service to take care of recurring billing to clients using a custom written interface to SkipJack credit card processing service. The project also has a Windows-based Administrator client that uses XML Web Services served by the site to administer certain functionality and content. Some features include roster maintenance, calendar of events, automatic email notifications, photo galleries, and mailboxes.

*Technologies included C#, ASP.NET, ADO.NET, COM+, Sql Server 2000, HTML, XML, XSL, CSS, and JavaScript.*

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- **Morgan Stanley - (Jan 99 – Jul 02) – VB/Web/SQL Architect and Developer**

Served as an advisor to different teams during the adaptation of .NET technologies.

Architected, designed, and developed the following projects using Microsoft technologies on the front and middle tiers and Sybase on the database side.

***PRISM - Private Wealth Management Department***

Architected & developed a complete web-based P&L reporting system. P&L administration and reporting went from an all day process, assigned to New York to do all global P&L, to a system that allowed each region around the world to administer and report their P&L in about an hour each.

***ProjectLink - Project Management Office***

Architected, designed, and developed a project tracking and maintenance system. System replaced an existing project tracking system and more than quadrupled functionality, as well as gave the ability to store history.

*Technologies used: VB6, ASP, MTS, COM, HTML, DHTML, CSS, JavaScript, and SQL.*

***Various other projects for selected departments.***

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- **Jul 86 – May 98 – Programmer Analyst at various assignments – Miami, Chicago, & New York, NY**

Companies include Coopers & Lybrand Consulting and Syms Corporation.  
Technologies included VBI-6, Sql, and Pick OS/Basic.

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- **1978 – Local Radio Shack Store  
*Dungeons & Dragons Dice Roller***

Developed on an old TRS-80 Model 1 – *and thus the journey begins...*

## Education & Recognitions

- Awarded Microsoft Most Valued Professional (MVP) in 2005 for the area of Visual Developer – C#
- Awarded Microsoft Most Valued Professional (MVP) in 2006 for the area of Visual Developer – ASP.NET
- Awarded Microsoft Most Valued Professional (MVP) in 2007 for the area of Visual Developer – ASP.NET
- Awarded Microsoft Most Valued Professional (MVP) in 2008 for the area of Visual Developer – ASP.NET
- Miami-Dade Community College—Associate in Arts
- Member of the International Association of Software Architects
- Member of the International .NET Association (INETA) Bureau of Speakers
- Member of ASP Insiders

## Public Speaking & “Pro” Q&A Panels

*The following include speaking engagements I have had over the years on various .NET topics, including but not limited to ASP.NET, .NET Framework, Software Architecture, Design Patterns, etc. Many of the groups and code camps listed below have had repeated visits by me.*

- Northern New Jersey .NET User Group
- New York City .NET User Group
- Univ. of CT .NET User Group
- Central New Jersey .NET User Group
- CodeCamp Philadelphia
- Philadelphia .NET User Group
- Farmington, CT .NET User Group
- New Jersey CodeCamp
- Mid-Atlantic Security CodeCamp
- Capital Area .NET User Group
- Richmond .NET User Group
- Lehigh Valley .NET Users Group
- Served on an Ask-the-Experts panel at the Microsoft Visual Studio 2005 Launch event in NYC.
- Central Pennsylvania .NET Users Group
- Austin .NET Users Group
- Pittsburgh .NET Users Group
- Great Lakes Area .NET Users Group
- New York City Code Camp
- NY Chapter, International Association of Software Architects
- Drexel University .NET Users Group
- Boston Code Camp
- Topeka .NET Users Group

- Kansas City .NET Users Group
- Wichita .NET Users Group
- Western Massachusetts .NET Users group
- NYC Bar-Camp
- Miramar .NET Users group
- Miami .NET Users group
- Sarasota .NET Users group
- Huntsville .NET Users group
- Edmonton Users Group (Alberta, Canada)
- Tampa .NET Users group
- Orlando .NET Users group
- Orlando Code Camp
- Dallas .NET Users group
- Cleveland .NET Users group
- Cincinnati .NET Users group
- Raleigh, NC Code Camp
- University of Wisconsin Tech Day


## Developer Conference Speaking Engagements

- VSLive '06 – San Francisco, CA
- VSLive '06 – Orlando, FL
- VSLive '06 – Las Vegas, NV
- VSLive '06 – New York, NY
- VSLive '06 – Boston, MA
- Web Builder 2.0 '06 – Las Vegas, NV
- DevConnections '07 – Orlando, FL
- DevTeach '07 - Montreal, CA
- VSLive '07 - New York, NY
- DevReach '07 - Sofia Bulgaria
- VSLive '07 - Las Vegas, NV
- DevConnections '07 - Las Vegas, NV
- VSLive '08 - San Francisco, CA
- DevConnections '08 - Orlando, FL
- Microsoft TechEd '08 - Orlando, FL

## Audio & Video Podcasts and Webinars

- .NET Rocks audio podcast - appeared two times
- .NET Rocks-TV video podcast - appeared ten times including the kick-off episode
- Microsoft ARCAST (Architecture Podcast)
- Polymorphic Podcast - appeared two times
- Deep-Fried Bytes audio podcast

## Publishings

- **Articles written for  Magazine include:**
  - *Encapsulating Asynchronous Functionality directly into Business Objects*
  - *Developing Custom Iterators in .NET*
  - *Skinning ASP.NET Applications using a Model-View-Controller Pattern*
  - *Declarative Programming: A Custom WebControl Approach to ASP.NET Development*
  - *Custom WebControls Demystified – Part 1 (reviewed on polymorphicpodcast.com)*
  - *Custom WebControls Demystified – Part 2*
  - *Guest Editorial: “Bloated Designs, Over-architecting, and Refactoring”*
  - *Achieving Synchronicity: A ListBox Double-Feature*
  - *Web Control Templates Explained*
  - *Web Control Enhancements in ASP.Net 2.0*
  - *Protecting Downloadable Files using HTTP Handlers*
  - *Designing for Extensibility*
- **Articles written for DevSource.com (a Microsoft sponsored publication)**
  - *What? You mean Callbacks aren't just for passing strings !?!*  
An introduction to ASP.NET 2.0's implementation of AJAX technology
  - *“State” rights? Dear God! Is it a confederacy all over again?*  
Introducing a new state management mechanism in ASP.NET 2.0

## Personal

- Fluent in English and Spanish—spoken, read, and written.
- Private Pilot Rating (ASEL).
- Active Freemason
- Collector of vintage computers
- Very actively involved in Microsoft Community

## A Personal Note:

**M**y community contributions, speaking engagements, and all software development are all inspired by the passion I have for what I do for a living. As many spend much of their lives trying to invent that feeling, I have the good fortune of my work and my hobby being one in the same. As a consultant in one of the fastest paced industries around, my training in new technologies and continuing practice of existing ones never stops. Beginning with the Dungeons & Dragons dice roller I wrote on an old TRS-80 when I was 12 and continuing with the custom applications, components, and controls I enjoy developing today, the onslaught of new technologies has been a welcome challenge and an ever-present part of my life. It is my belief that loving what you do plays a major role in your ability to excel beyond your own expectations. It is a passion for technology that is my strategy for success.

## References & Glossary

- Multiple professional and character references can be furnished immediately upon request.
- Individual references can be provided for technical expertise, speaking ability, and .NET training.



**MVPs** are credible, technology experts from around the world who inspire others to learn and grow through active technical community participation. While MVPs come from many backgrounds and a wide range of technical communities, they share a passion for technology and a demonstrated willingness to help others. MVPs do this through the books and articles they author; the Web sites they manage; the blogs they maintain; the user groups they participate in; the chats they host or contribute to; the events and training sessions where they present, as well as through the questions they answer in technical newsgroups or message boards.

*(content obtained from [www.microsoft.com/mvp](http://www.microsoft.com/mvp))*



The **International .NET Association** (INETA) provides structured, peer-based organizational, educational, and promotional support to the growing worldwide community of Microsoft® .NET user groups. Their mission is to offer assistance and resources to community groups that promote and educate their membership in Microsoft's .NET technologies. The speakers bureau consist of approximately 60 selected individuals who are sent around the country to speak at .NET user groups.

*(content obtained from [www.ineta.org](http://www.ineta.org))*



The **ASP Insiders** is a select group of international professionals who have a demonstrated expertise in ASP.NET technologies and who provide valueable, early feedback on related developing technologies and publications to their peers, the Microsoft ASP.NET team, and others.



**CSLA** is an application framework that reduces the cost of building and maintaining applications. The framework enables developers to leverage the power of object-oriented design as the basis for creating powerful applications. Business objects based on CSLA automatically gain many advanced features that simplify the creation of Windows Forms, Web Forms, WPF, WCF, WF, and Web Services interfaces.



**CodeBreeze** is a code-generation productivity tool built around the very simple concept of “getting your work done fast”, limiting even the amount of time you spend in CodeBreeze itself. CodeBreeze is designed with extensibility in mind, giving you the opportunity to adapt the product to meet your needs in whichever way you work. CodeBreeze gives you maximum flexibility to bring the world of code-generation into any architecture your teams design. Not only do you have complete control over the code you create, but also the configuration of your project, breakdown of your architectural layers, as well as the definition of fields, and code-generation processes. A full demo can be viewed at <http://www.dnrtv.com/default.aspx?showID=77>.

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