Jess Chadwick

Software Developer, Leader, and Teacher

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SKILLS

- .NET Framework *(C#, some Visual Basic)*
- OOAD & SOLID architecture
- Test-Driven Design & Development
- Agile / SCRUM

- HTML, CSS, JavaScript, and AJAX
- ASP.NET MVC & WebForms
- Silverlight
- WCF
- Windows Azure

- Search Engine Optimization (SEO)
- REST
- Continuous Integration & Build Automation
  - Team Foundation Server / MS Build
  - Subversion & CruiseControl.NET

EMPLOYMENT

Infragistics, Inc.   Princeton, New Jersey
Website Team Lead   April 2006 – Present

- Responsible for development of all production corporate web properties, internal and external (19 in total)
- Responsible for day-to-day tasking of the team as well as providing team members with on-going technical guidance
- Acted as Lead Developer and Project Manager of the original Pixel8 podcast website employing ASP.NET AJAX & Silverlight and leveraging the existing content management system
- Acted as Lead Developer and Project Manager of the recent Community Site rewrite, leveraging the Community Server platform
- Introduced automated unit testing, Test-Driven Development, and Continuous Integration to team members by example, successfully refactoring existing code to make it more testable while adding a comprehensive suite of unit tests along with the build scripts to bring it all together
- Heavily involved in initial creation of (and several subsequent enhancements to) the new eCommerce site, built on ASP.NET and Microsoft Commerce Server, with integration points via BizTalk.
- Heavily involved in initial complete rewrite of main web property, helping to provide a more immersive user experience by leveraging better UI techniques including (but not limited to!) AJAX; we also introduced a content management system in this project
- Localized entire US English marketing and customer support website to Japanese
- Routine handling of support requests for enhancements, bug fixes, and production maintenance
- Acted as unofficial advisor to the ASP.NET product team concerning plans for ASP.NET MVC controls
- Initiated and organized monthly internal "user groups" to educate all employees (including those outside technical positions) in the technological concepts of our industry. These group meetings consisted of presentations ranging from high-level (less technical) to very low-level (highly technical), delivering many of them myself.

Technologies used: ASP.NET, ASP.NET AJAX, jQuery, IIS 6 & 7, SQL Server, WCF, Silverlight, Team Foundation Server, Microsoft Commerce Server, Ektron CMS, Community Server, Enterprise Library, BizTalk, Microsoft CRM, NHibernate

Popular Financial Holdings (Banco Popular)   Marlton, New Jersey
Senior Web Developer   August 2003 – April 2006

- Designed and developed Lead Management System utilizing ASP.NET, JavaScript and Ajax following Agile methodologies
- Assisted in the complete redesign and development of corporate intranet utilizing SharePoint, InfoPath, and BizTalk technologies
- Designed and implemented an intranet Employee Directory replacing Excel spreadsheet; utilizing the corporate Data Warehouse and ASP.NET
- Documented various IT processes that were formally undocumented and misunderstood
- Created numerous intranet reports based on Crystal Reports forms contained in ASP.NET wrappers
- Maintained Rule-based Commission Automation system with ASP.NET front-end and T-SQL-driven back-end
- Completed various maintenance tasks for the Production Support team based largely on T-SQL, ASP.NET, and C# development

Technologies used: ASP.NET, AJAX, Crystal Reports, Enterprise Library, BizTalk, SharePoint, InfoPath, SQL Server

ontap4u, Inc.   Garden City, New York
Lead Developer   September 2002 – March 2004

- Acted as Project Manager and Lead Developer to bring to market an Internet-enabled electronic beverage dispenser
- Designed and implemented the front-end controller for electronic beverage dispenser.
  This unit includes various alcoholic restrictions and line level controls and interacts directly with corporate servers via XML Web Services, periodically uploading all vital information. This enables seamless delivery requests and a hands-off end-user environment.
- Created administrative back-end applications using ASP.NET, C# and Microsoft SQL Server
- Designed and implemented network architecture to support the beverage dispenser's n-tier architecture
- Worked closely with company management and outside vendors to define product features and requirements.
- Compiled complete documentation for dispensing application and supporting administrative applications.

Technologies used: ASP.NET, ASMX Web Services, SQL Server, .NET Compact Framework

Cornerstone Distributing   Florence, New Jersey
Software Consultant   December 2002 – January 2003

- Designed and implemented consumer-facing e-Commerce site with real-time inventory listings, shopping cart, and news components
- Designed and implemented an inventory management system, including integration points consuming services from external suppliers

Technologies used: JSP, MySQL, JSP TagLibs, Jakarta Struts, Apache Tomcat, and Linux

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Inventa Technologies   Moorestown, New Jersey
Software Developer   September 2000 – December 2002
- Developed health and information statistics server-monitoring modules to enhance the existing automated server-monitoring service provided as the company's primary revenue source. These modules included integration with such applications as BEA Weblogic, Apache Tomcat, Apache httpd, and JBoss on both Windows NT and GNU/Linux servers
- Updated and maintained proprietary server-monitoring systems and associated administrative GUIs
- Acted as Team Lead in development of an in-house intranet portal to merge and replace existing individual accounting, finance, human resources, and employee information resources
   Technologies used: *ColdFusion, JSP, Taglibs, Struts, BEA Weblogic, Apache Tomcat, jBoss, Apache httpd*

Graebel Movers   Moorestown, New Jersey
Software Consultant   September 1998 – November 1998
- Designed and Implemented development of a customer tracking and invoicing system utilizing an Access database with VB 6.0 front-end

Florence Township Board of Education   Florence, New Jersey
Web Developer and Administrator   September 1998 – June 1999
- Created township High School web site from Microsoft Learning Template, including news, forums, and web mail utilizing ASP
- Administered High School web site, including updates and routine maintenance

PROFESSIONAL AFFILIATIONS

- Microsoft Most Valuable Professional (MVP), ASP.NET
- ASPInsider
- NJDOTNET – Central NJ .NET User Group Leader
- INETA Community Champion
- Regional User Group speaker

SPEAKING ENGAGMENTS & PUBLICATIONS

Speaker
- Podcast interview: *"ASP.NET MVC + ASP.NET AJAX",* Polymorphic Podcast, June 24th, 2008
- See MVP Profile for current list of User Group & Code Camp presentations: https://mvp.support.microsoft.com/profile/Jess

Author
- *"Easy Validation in ASP.NET MVC with the Enterprise Library Validation Application Block"*
   CoDe Magazine, August 2009

Technical Editor
- Silverlight 2 Programmer's Reference, *Wrox, ISBN: 978-0470385401*

OPEN SOURCE / PERSONAL PROJECTS

Creator, Where Am I? Firefox addon
This add-on displays the value of the "X-ResponseOrigin" HTTP header from the last response, allowing you to determine which server in a web farm that response originated from. This add-on is very helpful in troubleshooting web farm issues by helping to verify which server the responses are coming from so you know on which machine to focus your efforts.

Creator, TFS Achievements
Service designed to help make continuous integration more interesting (and increase morale). This consists of a service subscribed to and analyzing TFS events, generating "Achievements" much like those on Xbox Live for various milestones (e.g. "Build Breaker" or "10 Clean Builds" achievements).

Committer, Code Camp Server
ASP.NET MVC reference application demonstrating the strengths of ASP.NET MVC (testability, separation of concerns, etc.) while also serving as an example of many best practices in software development. The project also utilizes and demonstrations many popular open source frameworks such as NHibernate and StructureMap.