

Neil Michalares

Full stack sql, .net, and javascript code craftsman

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Summary

- 8 years of experience in architecting, developing, testing and managing SaaS applications built with SOLID OOP principles and n-tier design patterns for multi-tenant web scale IT environments.
- 4 years direct manager over a development team, which at times included off-shore developers in India and UK, using Agile methodologies and working with product owners and stakeholders to deliver quality products to spec, on time and on budget.
- Core Skills - ASP.net, C#, VB.net, VB6.0, T-SQL, javascript, HTML5, css3, github, Team City CI, Dependency Injection (IoC), powershell, AWS EC2
- SQL - Direct querying, Stored Procedures, Entity Framework, LINQ, NoSQL (DynamoDB, MongoDB)
- Web Development - MVC, Web Forms, MVC Web API, WCF, Redis Caching, AWS elasticache, jQuery, Knockout.js, single page application development, OWIN token & Forms authentication, responsive design
- Windows Development - WPF MVVM, Winforms

Employment History

December 2011-Present

Sr. Developer/Technical Team Lead (C# .net development)

Evanced Solutions, LLC - *Indianapolis, IN*

- Team lead and lead developer on desktop and mobile web apps using HTML5 with jQuery and MVC front-ends, and OWIN/OAUTH forms authenticated webservice back-ends built on WCF or WEB API for the following products:
 - **Signup** - Library community calendar event management system. ASP.net Webforms, AJAX, .asmx web services, .ascx user controls, n-tier structure, SQL Server database. >900 subscribers, weekday average 15k page loads per minute.
 - **Signup 2.0** - Full product conversion to a mobile responsive design model with single page application focus and exponential performance improvements, along with a public API. MVC, WebAPI, jQuery, knockout.js, Entity Framework, OWIN token authentication, Swagger UI Documentation.
 - **D!bs** - Study room reservation system, designed specifically to allow for booking in university library settings, with public API. MVC, Form posting model (not single page), WebAPI, SQL Server, SSO authentication (OAUTH, LDAP and Shibboleth), mobile design, SMS messaging, amazon SQS. >3,000,000 reservations per semester, >150,000 active users per semester.
 - **Spaces** - Library resource management system, designed to allow for patron usage of rooms and equipment. MVC, WebAPI, jQuery, SQL Server.
 - **Wandoo Reader** - Reading engagement tracking tool for summer reading programs. MVC, jQuery, knockout, RestSharp C# talking to a Ruby on Rails API, jsonp. >1,300,000 individual users, >60k page loads per minute during peak summer reading registration times.
 - Developed the MVC layer of several mobile device targeted front-end UIs in bootstrap, which connected to a Web API back-end I also developer, built on top of legacy product databases. MVC, WebAPI, OWIN Authentication, MySQL.
- Scrum master and Agile practices leader and "evangelist". Acted as build master for the R.C., staging, and production branches of code.
- Managed 5 developers, 2 UI/UX developers and 3 QA tester/developers. Worked closely with the Product Owners to develop quality user stories and acceptance criteria. Implemented code review standards managed through Github pull requests.

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July 2007-December 2011

Developer/Software Analyst III (VB & C# .net development, classic ASP)

Evanced Solutions, LLC - Indianapolis, IN

- Lead developer, promoted to Team Lead, on two flagship software suites for library event calendar and room reservation systems.
- Led a classic ASP to ASP.net product conversion on hundreds of thousands of lines of code.
 - **Events → Signup**
 - Conversion started January 2009, initial product release January 2010, full support for MySQL to SQL Server data migrations was July 2010.
 - **Room Reserve → Spaces**
 - Conversion started January 2010 with a focus on a complete redesign of functionality and user experience, initial product release December 2012, full support for MySQL to SQL Server data migrations was February 2013.
 - **Summer Reader → Wandoo Reader**
 - Conversion started January 2011 with a focus on carrying over needed reporting functionality, and working with Dubit Unlimited (UK) to create a completely new user experience, adding gamification and character creation to the system. Beta release May 2013, Initial release May 2014.
- Developed WCF interfaces for Ldap, Sirsi, Shibboleth, OAuth, SIP2, and III connection/authentication protocols for university and library card authentication for SSO within multiple applications.
- Developed WCF interface for credit card processing to communicate with several gateway processors.
 - Adhered to PCI standards.
- Implemented continuous integration best practices using NUnit, Telerik Test Studio and Team City.
- Instituted a company wide code standards wiki, maintained updates with latest best practices, and led code reviews and peer evaluations to assure code adhered to set standards.

May 2006-June 2007

Application Developer (Coldfusion/Flex & Oracle development)

Walker Information - Indianapolis, IN

- Maintained and updated internal organization legacy systems, including P.O. systems, expense reporting, time entry, utilization reporting, client contact management and billing using Coldfusion.
- Created several "ad hoc" programs for internal document data storage and indexing using Oracle Application Express.
- Streamlined internal development process, created true development/production environments and implemented code versioning through CVS on all internal development.
- Standardized internal database architecture by adding primary and foreign keys to hundreds of tables, refactoring indexes, stored procedures, views, triggers, and creating relationships database wide.

May 2004-May 2006

Web Programmer/Design assistant

Indiana University USCO - Bloomington, IN

- Developed and maintained pages within the Kelley School of Business undergraduate and graduate career services office using Flash and Coldfusion 7MX on an Oracle database.

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Projects and contract work

May 2011-December 2012 (contract)

.net Web App. Developer

MTGOAcademy.com - *The Internet (HQ in Karlsruhe, Germany)*

- Developed and maintained an application that reads in published HTML from a 3rd party site and parses out useful information to be indexed and easily searched.
- Set up many statistical reports to gather information on card pricing and popularity to quickly gain information on market changes.

May 2014-July 2014 (contract)

.net Desktop App. Developer

Swift Trip - *Jeffersonville, IN*

- Updated a WPF application that made web service calls to present data for Kimpton Hotels. Introduced a testing framework and examples that in house developers could use to pick up and run with.
- Made several UI improvements and increased data load speed and caching so that the application required less overhead, was intuitive and worked more efficiently.

★ Education

2006

Indiana University, Bloomington, IN

- **B.S.**
 - Major Informatics, Concentration in Computer Science and Info Technology
 - Minor Geography, Concentration in Geographical Info Systems

2001

Ivy Tech, Bloomington, IN

- **A.A.S.** Computer Info Science - specialized in Java and C++