

Neil Michalares

Full stack sql, .net, and javascript code craftsman

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Summary

- 10 years of experience in architecting, developing, testing and managing teams in SaaS applications built for multi-tenant web scale IT environments.
- 5 years of team leadership experience, including on-shore remote developers and off-shore developers in India and UK.
- 4 years experience in helping agile transformations happen through development teams and the organization.
- Core Skills - C#, javascript, SQL, SaaS environments and application lifecycles.
- Buzzwords (things I have experience with) - ASP.net (2-4.6.current), MVC, WebAPI, Dependency Injection (StructureMap, Ninject, LightInject), ORMs (Poco, EF), Service Oriented Architecture, microservices, Agile & agile (Scrum master, big A, little a), jQuery, javascript UI frameworks (Angular 2, Ember.js), Unit testing, Integration testing, Continuous deployments

Employment History

September 2015-Current

Software Engineer/Agile Pathfinder

Paycor - *Cincinnati, OH*

- Work with multiple teams and development leadership to evangelize and help lead teams in agile & Scrum.
- Scrum master - leading daily stand ups, iteration reviews and iteration retrospectives. Keeper of the "team chemistry" and leading continuous improvement.
- Development team goals and accomplishments:
 - Led the company in demonstrating and adopting a new company wide API strategy for separation of concerns between domains. Web API, AsyncPoco, EF, Mediatr, Automapper, FluentValidation.
 - Implemented application improvements that allowed for millions of dollars in yearly savings of new client implementation costs. Ember.js, Web API, SOA, Azure table storage & blob storage, SignalR.

December 2011-October 2015

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), Web API, 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.

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- **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 developed, built on top of legacy product databases. MVC, Web API, 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.
- Directly 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.

July 2007-December 2011

Sr. Developer (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 PL/SQL 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.

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- 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.

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++