

Terry Callahan

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PROFESSIONAL SUMMARY

Accomplished Web Developer / Architect with a proven track record of creating high value solutions for multiple industries and a passion for highly efficient software development processes. Expertise in Technical Leadership and the complete systems development life cycle. Enthusiastic supporter of the agile methodology and test driven development.

TECHNICAL SKILLS

Client-Side:	Bootstrap, Ajax, jQuery
Data Access:	ADO, ADO.NET, Entity Framework, ODBC, OLEDB
Databases:	SQL Server, Oracle, MySQL, MS Access
Frontend Frameworks:	Bootstrap, jQuery
Languages:	ASP.NET MVC, C#, T-SQL, Javascript, VB.NET
Source Control:	Git, SVN, TFS
Reporting:	SQL Server Reporting Services, Telerik Reporting
Support Software	JSON, Tecnomatix DPV, Telerik Controls, Wonderware, Iconics

PROFESSIONAL EXPERIENCE

(Beacon Hill Staffing) Aimia/One10 Inc. – Troy, MI

(Marketing and Loyalty Analytics).

.Net Developer – Nissan and Michelin Loyalty Programs

09/2015 to Present

Redesign and Implement revamped ASP.NET C# based customer loyalty web site.

Accomplishments:

- Extend and enhance customer certification web site.
- Redesign User Interface and back end to support multiple brands.
- Provided mentoring on software management and rollout processes.
- Designed and implemented SQL Server Stored Procedures to support program sites.
- Assisted in developing next generation platform using Kendo controls, JavaScript and Web API's

Environment: ASP .NET, Bootstrap, CSS, C#, HTML4, jQuery, SQL Server 2012 T-SQL

BuilderHub, LLC (builderhub.com) – Rochester Hills, MI

(A LLC focusing on cloud based solutions for small to mid-sized home builders).

Architect / Lead Developer

02/2016 to Present

Extract requirements from customer, define data model and system architecture, implement web site.

(Part-time Position)

Accomplishments:

- Defined database architecture to accommodate data needs from initial customer contact to final sale.
- Designed a highly leverageable ASP.Net/MVC Azure application capable of supporting a large number of customers with very cost effective infrastructure costs.
- Designed a standard base application with customizable extensions for each subscribing company.
- Implemented custom per-subscriber reporting solution.

Environment: Ajax, CSS, C#, Entity Framework, HTML5, jQuery, JSON, Kendo Controls, MVC5, SQL Azure, Telerik Reporting, Selenium

ATS Applied Tech Systems LLC – Troy, MI

(An independent solution provider specializing in Industrial/Process automation and consultation).

Technology Consultant IV – GM ME Body

07/2012 to Present
(Part-time Position)

Ongoing support of previous GM customer, maintaining a relationship started in 2003.
Work directly with GM Dimensional Analysis group to develop tools enabling the collection and management of data from plant floor devices.

Accomplishments:

- Developed and support a VB.NET/Winforms program to support new paint data layout.
- Develop and maintain a complex Excel Add-in to manage dimensional tolerances.
- Support and enhance previously developed VB.Net data conversion programs.

Environment: VB.NET, Excel Add-ins

American Axle & Manufacturing, Inc. – Detroit, MI

(A Tier 1 Automotive Supplier).

Senior IT Application Engineer – Integrated Plant Floor System

09/2014 to 08/2015

Stabilize and extend application based on ASP.NET and C#.

Accomplishments:

- Developed and enhanced Asp .Net based application pages as required.
- Identified and prioritized key areas of improvement within the application.
- Implemented and managed a team wide code review process.
- Defined an exception handling and logging standard, and assisted in the implementation.
- Introduced agile developments practices and served as facilitator.
- Designed automated regression testing standard using MS Coded UI, and led team to implement.
- Ongoing conversion from static function architecture to Service Layer / Repository pattern.
- Implemented automated release process and served as Deployment Manager for 22 unique sites.

Environment: CSS, C# ASP .NET, Entity Framework, HTML 4/5, SQL Server, TFS, MS Release Manager, Selenium, MS Coded UI, Telerik Controls

United Shore Financial Services, Inc. – Troy, MI

(A privately held mortgage lender).

Senior Programmer Analyst – New Web Solution Development

08/2012 to 09/2014

Develop new web sites based on .NET MVC and perform maintenance on legacy Java Script / PHP sites.

Accomplishments:

- Served as IT Team Lead Developer providing technical guidance and overview to a team of 6 developers.
- Implemented an extensive unit testing framework utilizing dependency injection.
- Added Loan Condition handling functionality to new Loan Origination code base written in C# and utilizing the Service Layer / Repository design patterns.
- Developed new Broker Scorecard public facing site in a C#/MVC/SQL Server environment and incorporated SSRS Reporting for PDF generation.
- Developed XML interface and public facing web functionality for conversion to external document vendor using Scheme language and SQL Server.
- Developed new responsive Broker Information site focusing on Loan Information DLL written in C#.
- Developed multiple web pages for new Loan Origination System.

Environment: CSS, C# .NET, HTML 4/5, MVC, SQL Server, Java Script, PHP, Scheme

(Independent Contractor) OMC Inc. – Troy, MI

(A world leader in quality and dimensional engineering technologies).

Independent Contractor

Define and develop Dimensional Engineering support applications.

11/2012 to 2014

(Part-time Position)

Accomplishments:

- Designed and developed a C#/Winforms line side display to collect XML data from measurement devices and graphically display results when vehicle enters station using embedded Visio, SQL Server and MSMQ.
- Developed a C#/Winforms application to generate data correlations between measurement data collected by varying devices using SQL Server CE.

Environment: C#, SQL Server, Visio Programming, MSMQ

HP Enterprise Services (Formerly EDS) - Pontiac, MI

(A global division of Hewlett Packard focused on providing enterprise technology services).

1983 to 2012

Technology Consultant IV – GM IT Service Center

Technical Leader directing the system design effort of a global development team.

2012 to 07/2012

Accomplishments:

- Designed a data model to support complex decision analysis definition in a data driven manner for a workflow management application.
- Developed a Microsoft SharePoint based Service Request and Tracking application.
- Implemented Visual Studio code analysis as a standard item for code reviews in order to improve code quality and improve the results from the reviews.

Environment: ASP.Net, MVC3, ADO.Net, SQL Server 2008 R2

Technology Consultant IV – GM ME Body

Work directly with customer to develop tools enabling the collection, management and reporting of data from plant floor devices.

2005 to 2012

Accomplishments:

- Designed and implemented a series of C# and Java math data conversion utilities for a Dimensional Planning and Verification (DPV) systems refresh, saving approximately three staff years of conversion effort.
- Supported and maintained a Sun Java System Web Server installation and associated Java Servlet to receive approximately 10,000 daily measurement files from the field. Resolved critical performance problem by implementing server tuning adjustments and connection pooling.
- Developed 22 VB.NET data conversion programs to support approximately 250 unique CMM / Vision systems and handheld devices utilizing highly generic code to minimize the ongoing maintenance required.
- Created approximately 15 SQL Server Reporting Services (SSRS) reports to address gaps found in the incoming DPV system.

Environment: VB.NET, C#, Java, SSRS, Excel (Add-ins and XML), SunOne Web Server, IIS

Senior Consultant – EDS Manufacturing Solutions Center

Consultant to multiple customers focusing on the collection and management of information from the factory floor

2004 to 2005

Accomplishments:

- Developed a Body in White Data Analyzer tool used for locating variations in automotive bodies in a VB.Net/Winforms Oracle environment.
- Consultant to multiple customers focusing on the collection and management of information from the factory floor

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- Developed the architecture design for a wireless scanner work and material tracking system to provide a mobile interface with the appropriate SAP modules for an international aerospace MRO company.
 - Extracted user requirements for a global Manufacturing Assembly Line Control System for a large automotive manufacturer by use of a series of guided user sessions. The resulting documentation was later used as the template for similar requirement extraction efforts on other projects

Environment: SAP, RFID, Facilitated Discussions

CERTIFICATIONS

- Microsoft Certified Solution Developer (MCSD)
- Sun Certified Programmer for the Java 2 platform

EDUCATION

- Bachelor of Science in Computer Information Systems from Baker College, Flint Michigan (Summa Cum Laude)
- EDS Manufacturing Enterprise Leadership program
- EDS Leadership Internship program
- EDS System Programmer Development (SPD) program
- EDS Network Communicators Development program