

Steven Archibald
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Professional Summary

A seasoned IT professional with experience designing and developing enterprise class information systems. Experienced in business process and workflow analysis, Object Oriented Design, Object Oriented Development, and Application/Solution Architecture. A Technical Manager of small and large teams, mentor, and experienced in both Waterfall and Agile methodologies. I have instigated and worked with other dev teams to improve processes at my employers including TDD, Continuous Integration, re-factoring, improved logging, and Aspect Oriented Programming, resulting in reduced TCO, improved testing, and improved software quality.

Skill Summary

Languages

C#, VB.NET, JavaScript, HTML, HTML5, XAML, TypeScript, CSS, XML, XSLT, LINQ, JSON, Power Shell

Frameworks

.NET (Beta – Core), ASP.NET MVC (2 – 5), WPF, MVVM, jQuery, Angular 2, Web API, REST, OData, WCF, node.js, Bootstrap, Entity Framework (1 - 7), AJAX, ClickOnce Deployment, OAuth, Windows Identity Management, Forefront Identity Management, Azure Storage Library, Application Insights, Windows Workflow, Silverlight

Tool Sets

Telerik RAD & MVC Controls, ASP.NET Menu, Infragistics, Automapper, Autofac, Ninject, Enterprise Library, Post Sharp, NuGet, NPM Package Manager, SharePoint

Databases

Azure SQL, MS SQL (2000-2104), MySql, Informix, Tandem Non-Stop SQL, MS Access
(Researching NoSql databases: Neo4j, OrientDB, BrightstarDB)

Development Methodologies

Agile/Scrum, Waterfall, TDD

Development Software

Visual Studio (2.1 – 2017), VS Code, Web Storm, Google Maps API v3, Word, Excel, Power Point, MS Project, VISIO, Bing Maps, Grunt

Source Control & Work Item Management

VSTS, TFS, Git, SVN, Surround SCM, Jira, Test Track, Bug Tracker, Fog Creek, Trello

Managerial Summary

From 1992 – 2002 I managed a team of 17 employees and contractors working on Enterprise projects for my client in Pittsburgh PA, Pitt Ohio Express. At SCIF, I was team lead on a 6 month project of 6 developers. At A. Duie Pyle, I acted as SCRUM Master on 4 separate, concurrent projects for one year. I have been the “de facto” Team Lead on multiple, other smaller teams over the course of my career.

At SCIF I also mentored 2 cohorts of State Employee developers transitioning from Java and mainframe to .NET, providing coding tutorials, TFS sandboxes, and structured classes.

Education

UC/Berkeley, B.A

Assignment Details

Clarity Medical Systems, Inc., Pleasanton, CA 01/2016 – 04/2017

- Skills: Azure SQL, Azure File Storage, C#, ASP.NET Web API, REST, OData, JSON, WPF, MVVM, ClickOnce, Application Insight, Surround SCM, Test Track, Entity Framework (Code First & Data Migrations), OAuth, Power Shell
- Development of new backend data services using OData V4 (REST) and Azure
- Designed the Entity Model, and used Code First, and Data Migrations to maintain the database.
- Took over a portion of the WPF programming on the device (2 separate WPF applications on the device)
- Implemented ClickOnce publishing for both WPF products:

YP (Yellow Pages), San Francisco, CA 10/2014 – 12/2015

- Skills: ASP.NET MVC, C#, JavaScript, node.js, Angular JS, REST, HTML, CSS, Git, SVN, Web Storm, Bootstrap, Jira, Grunt
- Development of new eCommerce product using node.js, AngularJS, and REST
- Maintenance & Enhancement of various web products for Ad Reporting; YP Search, YP Search Pro Beta, YPConnect (REST & WCF)
- Moved to the Unified Billing project to help drive it to completion (WCF & REST)
- Moved to the "Presence" team as part of resource shifting due to employee departures

State Compensation Insurance Fund, Pleasanton, CA 08/2013 – 10/2014

- Skills: ASP.NET MVC, C#, JavaScript, Windows Identity Management, REST, WCF, HTML, CSS, TFS, Visio, Post Sharp, Windows Workflow, TDD, Automapper, Telerik
- Architected the Infrastructure for 6 new applications added to IOS.
- Pushed Release team to implement Continuous Integration (TFS) for all projects, saving considerable effort, money, during release efforts.
- Implemented a private NuGet gallery for shareable modules. This simplified the "sharing" of code across 5 projects
- Designed and implemented an "enhanced" Single Sign-on" service utilizing Windows Identity Management and Claims, integrating with the existing TAM (Tivoli Access Manager) system. This was implemented as an HttpModule and IAM web service. The HttpModule was shared with all web-sites using the private NuGet gallery (noted above). This enabled each project to "avoid" coding their own interface to TAM, and guaranteed consistency of behavior.
- Led a small team to design a "standard" event handler to be used by all controllers.
- Implemented several library modules that were published to our private NuGet gallery and used by multiple teams
- Mentored several SCIF employees who were being "apprenticed" to learn .NET and be positioned to take over some of the coding responsibilities
- Helped analyze WWF issue as part of the QMS project
- Analysis and recommendation of new products for the development team.
- Mentor two cohorts of State Employees migrating from Java and Mainframe experience to .NET and OOP.

First Republic Bank, San Francisco, CA 03/2013 - 08/2013

- Skills: Forefront Identity Management, HTML, jQuery, C#, JavaScript
- This effort is to enhance an existing FIM portal, and a custom web-based front-end to the FIM portal that was originally provided by another consulting company.

State Compensation Insurance Fund, Pleasanton, CA 10/2012 – 03/2013

- Skills: ASP.NET MVC, C#, JavaScript, HTML, Entity Framework, TFS, Clear Case, MS SQL, Telerik, TDD
- This effort is to replace all of the existing Java-based legacy applications at SCIF. The first portion is to replace the current on-line submission process for applying for workmen's compensation insurance.
- As Architect & Team Lead, I was responsible for leading a team of 6 other developers. This team developed the UI, the database, and the interfaces to 5 different WCF services.

First Republic Bank San Francisco, CA 03/2011 –10/2012

- Skills: ASP.NET MVC, C#, JavaScript, Entity Framework, MS SQL, VBS, ASP (Classic), WCF, SVN, TDD, Telerik
- Add new functionality to EagleConnect, a middle tier application that serves as an interface between external applications, and a BizTalk processing engine.
 - Refactored the Admin and Engineering Console (ASP.NET applications) to use Entity Framework from 3 different db access technologies.
 - Refactored the Web Services of EagleConnect and reduced WCF communications chatter by a factor of 4.
 - Added over 100 automated unit tests to the refactored system, which had none at all in the previous system.
 - Installed and configured (with another developer) TeamCity to provide continuous build functionality with automated unit testing, and improved deployment functionality;
 - Designed and implemented a second middle tier variant called Spectrum to interface an internal client to a BizTalk processing engine;
- When EagleConnect ended, I was transferred to the Intranet & Collaboration Group where I maintained, enhanced, designed and developed new applications for the internal Intranet site, EaglesNet. This included converting existing ASP pages to ASP.NET
- Instigated the use of Continuous Integration (using Team City on the Eagle Connect project), and helped with source code repository effort (TFS & non-ASP.NET code) for the I&C projects.
- Worked with Network Engineering to instigate the formalization of the turnover process (Dev to QA and Prod) for I & C

Wells Fargo Bank San Francisco, CA 01/2011 – 03/2011

- Skills ASP.NET MVC, VB.NET, JavaScript, Entity Framework, MS SQL, SVN
- Building a new Global Network Portal for their Wells Fargo Insurance Service. This is a world-wide service for associated brokers to manage their Insurance products and clients
- Build/Repair Unit Tests for existing code
- Implement an application wide security mechanism to determine access rights at the controller and view level. This involved creating an HTML helper extension.
- Implement portion of the application to add/edit Local Client Contacts

Global Sustainable Lifestyle Network, Santa Cruz, CA (side project with friend) 11/2010 – 01/2017 (part-time)

- Skills: ASP.NET MVC, JavaScript, SQL, Google Maps API v3, Telerik, Bootstrap
- Built a mapping application to show EV charging sites on a Google Map. (www.globalsustainablelifestylemap.com) This was later expanded to include other types of "green" businesses, searching for a specific address, and filtering by various categories.
- Design database for GLSN mapping functions
- Design + Develop Admin application to administer map data
- Enhanced the application to allow for multiple providers to create map and marker data and provide modal popup information for map markers;
- Recently (2015 Q2), I converted the modal popups from **Telerik** Windows controls to **Bootstrap** modal dialogs, and am in the process of converting the entire site to Bootstrap.

AKQA, San Francisco, CA 07/2010 – 11/2010

- Skills: ASP.NET MVC, C#, JavaScript, CSS, HTML, Azure SQL, Azure Blob Storage, Bing Maps, WCF, Silverlight, REST, XML
- During my time at AKQA I worked on campaigns for two separate customers: Xbox and Gap.
- Xbox:
 - Assist in the development of a new publicity site for the newest Xbox Halo Reach game. Responsibilities included a service to provide "light points" to an external application that was controlling a robot arm firing a laser at various points in space. The site went active on 08/23/2010 inactive on 9/15/2010 after the game was released.
 - During this short period the site had over 110,000 users who registered, and over 1,000,000 unique visitors. The site was selected for the FWA Site Of The Day (SOTD) Award for 11th October 2010.
 - This site was an SF ADDY Gold Winner in the Online Campaign category (http://www.gsfac.org/2011_winners_by_category).
 - Research and correct issues with the Facebook connection in the Remember Reach web-site.
 - Maintain a content upload application that uploads files to Azure storage. This application was written in Silverlight.
 - Write a WCF service to accept images for the Kinect Games application and store these images in the Azure cloud.
 - I wrote several test applications utilizing Silverlight 4.0 and WPF.
 - Worked on a new application to "moderate" content for display on the Kinect web
 - Application to map Kinect marketing events using Bing Maps
- Gap:
 - Maintain back-end services for Gap StyleMixer, an application that runs on iPhone. The backend service connects to Google maps to provide store location features.
 - Research and solve problems in the Gap qrCodes mobile phone application. This was broken due to improper **XML** formatting in the back-end services.
 - FourSquare Holiday Banner: This is an application to provide store location/to-do information regarding Gap products through FourSquare. I implemented the store location back-end.

Other Assignment Details available on request