

# C Daniel Waddell

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## **Objective**

To create and maintain easy to use software solutions that scale to millions of users across the world.

## **Skills**

Programming: C#, C++, VB, Razor, TSQL, JavaScript, TypeScript, HTML5, LINQ, CSS  
Frameworks: .Net, ASP.Net Core/MVC/WebApi, Entity Framework, SignalR, BI Framework  
Libraries: jQuery, KnockoutJS, Bootstrap, PhaserJS, jQueryUI, AngularJS  
Platforms: Azure, VSTS, SQL Server 2014, Visual Studio 2015, Xamarin

## **Notable Projects Delivered**

### **USMLE-Rx - ScholarRx .NET Core, MVC, OpenId, WebAPI, Angular (modern)**

A learning management system for delivering a world class multimedia experience to doctors and medical school students through videos, flashcards, and practice questions all wrapped around a custom e-book delivery platform.

### **Org Chart - Jefferson County Public Schools MVC, WebAPI, EF, OAuth, Knockout.js**

A system that manages the positions of 18,000 employees and departmental data for 200+ departments. This is a set of service oriented MVC/WebAPI applications secured using OAuth.

### **Student and Employee Provisioning - Jefferson County Public Schools Multithreading, AD**

A system that reads data from a student information system and an HR system to populate AD accounts and group memberships using a custom business rule engine. The business rule engine moves the AD objects, creates groups, and assigns employees to groups.

### **Openid Authorization Framework - Jefferson County Public Schools OpenId, AD, Owin**

An Openid authentication application based on IdentityServer 3. This is used to bring under one roof the security of all apps. This endpoint works for parents, students and employees.

### **Small Business Lending - Heartland Payment Systems (contractor) OAuth, MVC, WebAPI, EF**

A modern secure application that managed small business loans using a service oriented architecture that leveraged OAuth for endpoint access.

### **Customer Loading System - ADP Rhino ETL**

The customer loading system at ADP was inefficient and took too long to process a load. I rewrote the package to use an ETL framework for syncing customer information throughout the enterprise.

### **Payroll Suite - Jefferson County Public Schools WebForms, GAC, SOA**

A scalable payroll system that interfaces a KDE run Payroll system (a system that could not handle the volume of JCPS data). This system contained complex account security and personnel assignments.

## **Education**

MS in Computer Science from UofL  
MA in Teaching from Spalding University  
BS in Computer Science from MSU

## **Certifications**

MCS: Web Applications  
MCTS: .NET Framework 4 Web Applications  
MCTS: .NET Framework 4 Data Access  
MCS: Programming in HTML5 with JavaScript & CSS3  
CompTIA's A+ and Network+

## **Work Experience**

### **ScholarRx - Louisville, KY**

**Oct 2016 - Present**

As **Sr Software Engineer** and architect, I created from scratch a world class content first medical education learning management system. These products are deployed using a Continuous Integration build and release plan that I also designed, allowing us to deliver value added features any time without down time.

### **Jefferson County Public Schools - Louisville, KY**

**Aug 2014 - Oct 2016**

As **Enterprise Architect** and team manager, I created infrastructure, set security policies, monitored project progress and actively developed solutions for line of business applications. Through these roles, I reinvented how JCPS creates software solutions.

### **Heartland Payment Systems via CBTS - Louisville, KY**

**Aug 2013 - Aug 2014**

As a **Technical Business Consultant**, I created a service oriented OAuth secured web application that allows small businesses to apply for loans, and manages their loan accounts by interfacing with third party loan underwriter services.

### **ADP - Louisville, KY**

**Jun 2013 - Mar 2014**

As a **Sr Developer**, I creates n-tier service oriented architecture using Web API, MVC, SSA via OAuth, and Entity Framework to modernize the way software was written.

### **Heartland Payment Systems - Jeffersonville, IN**

**Nov 2011 - Jun 2013**

As a **Sr Developer**, I worked on a primary line of business application using the MVC Framework, Entity Framework, and a multi-tiered architecture. We used dependency injection, factory pattern and remote facade patterns to create a scalable and maintainable system.

### **DapJack LLC and Code Cannon LLC- Louisville, KY**

**Jan 2009 - Dec 2013**

As a **Founding Member** and **Lead Developer** I created and maintained, from design to production hosting, state of the art web applications using Asp.Net, C# (.Net 4.0), and MS Sql Server 2008 R2; with SSIS and SSRS packages where needed. I also, oversaw two production servers running IIS 7, MS SQL Server 2008 R2, and SVN source control.

### **Jefferson County Public Schools - Louisville, KY**

**Sep 2007 – Sep 2011**

As an **Application Integration Analyst** I Developed and maintained .Net 2.0, 3.0, 3.5, and 4.0 web applications in Visual Studio 2005, 2008, and 2010 with stored procedures, SSIS, and SSRS packages running on SQL Server.

### **Amatrol Inc. - Louisville, KY**

**Sep 2006 – Sep 2007**

As a **Multimedia Developer**, I developed Flash based physics simulators and education software.