

Charles D 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

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.

Safety and Security Application - Jefferson County Public Schools MVC, WebAPI, EF

My team and I created a system that allows first responders to gain access to highly needed information about schools in the case of an emergency.

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 and 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+ computer hardware
CompTIA's Network+ computer networking

Work Experience

Jefferson County Public Schools - Louisville, KY

Aug 2014 - Present

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 2005, 2008, and 2008 R2.

Amatrol Inc. - Louisville, KY

Sep 2006 – Sep 2007

As a **Multimedia Developer**, I developed virtual trainers in Flash CS2, and CS3 that mimicked real world hydraulic, electric, and pneumatic systems for classrooms with limited physical trainer space. I also maintained an in house PHP LMS for Amatrol's education courses and a Linux based (Fedora Core 3/4, Apache, MySQL) web/database server.