

Jason Wells

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Software Architect / Full Stack Developer

- **Experienced product innovator** as lead developer of more than a dozen new billing and payment systems that support over a half million enrolled users and have accepted over a billion dollars in payments
- **Skilled communicator** that is consistently put face-to-face with customers, product owners, and stakeholders; excellent at explaining complex technical concepts to any audience
- **Enthusiastic leader** of development teams and projects using Agile principles and the Scrum framework, with a passion for coaching and mentoring junior team members

Technology Summary

Languages: C#, Javascript, T-SQL, CSS, VB.NET, Classic ASP, PHP, VB6, Java, Groovy, Perl, Python

.NET: Framework 4, ASP.NET, MVC, WebForms, WCF, Web API, Entity Framework, WIF, MSMQ, MSTest, SpecFlow

Web: HTML5, CSS3, jQuery, Bootstrap 3, Handlebars, Jekyll, Sass, LESS, Angular, React.js

IDEs: Visual Studio 2015/2017, VS Code, Notepad++, MonoDevelop

Servers: IIS, Azure, Apache, Node.js, SQL Server, MySQL

Single Sign-On: ADFS, WIF, WS-Fed, SAML 2.0, OAuth 2.0, Thinktecture EmbeddedSts

Source Control: Git, TFS, GitHub, BitBucket, SourceSafe

Other Tools: Unity, Trello, Visio, SoapUI, Postman, GIMP, Greenshot, Blender, Illustrator

Professional Experience

Busey Bank / FirsTech Inc. (April 2008 - Present)

Busey Bank is a large regional bank founded and headquartered in Central Illinois. FirsTech Inc. is a wholly owned retail payment processing subsidiary of Busey Bank, processing 28 million payments per year.

Senior Software Architect, Busey Bank - Champaign, IL (May 2017 - Present)

Software Design Architect, FirsTech - St. Louis, MO (2013 - May 2017)

Application Developer, FirsTech - St. Louis, MO (2008 - 2013)

Began at FirsTech Inc. as an entry-level developer; advanced to a leadership role at Busey Bank with three direct reports and influence over the organization's development priorities and architecture. Extensive experience with full-stack development, distributed system design, and full life-cycle development of enterprise software solutions.

Accomplishments:

- Designed and implemented dozens of custom and off-the-shelf solutions, including innovation of new products and replacement of legacy systems; utilized a number of technologies in the .NET/Microsoft stack:
 - Web applications built with ASP.NET MVC, using jQuery to interact with controllers; using Razor and Bootstrap to create flexible UIs with responsive design; automating acceptance testing with SpecFlow
 - Relational database design with SQL Server, including normalization, stored procedures, and reporting
 - N-tier architectures and distributed systems spanning multiple web applications and service layers that consume backend resources such as SQL Server databases, message queues, files, and external APIs
 - Complex API integrations using WCF, Web API, SOAP, XML, and JSON; customizing WCF to integrate with non-standard APIs; abstracting external APIs with internal service layers for use by multiple applications; creating mock-services and test suites with SoapUI and Groovy to automate service testing
 - Single Sign-on integrations including ADFS, WIF, WS-Fed, SAML, and proprietary SSO mechanisms
- Considered a main contributing factor in landing several clients by acting as a technical subject-matter expert in meetings, rapidly developing Azure-hosted MVC/WCF proof-of-concepts, and performing sales demos
- Coached and advised junior team members by providing training and instruction, peer programming (co-located and remote,) and code reviews using Team Foundation Server and Git
- Facilitated Agile development by building Scrum boards, organizing sprint events and agendas, running daily standups, leading planning poker sessions, and removing development roadblocks
- Defined and enforced secure coding practices across all projects, reinforced with regular team OWASP training

Recent Project Experience

All-in-one Billing and Payments Platform (2012 - 2018) Architect and developer of an n-tier system providing payment and billing features to over a half million enrolled users across multiple businesses. Initially developed on ASP.NET Webforms in 2012, continuous refactorings and client-additions have seen this product evolve into multiple SSO-integrated web apps using MVC with responsive single-page designs, powered by a WCF middleware layer and SQL Server backend. *C#, MVC, Bootstrap, Razor, jQuery, WCF, SQL Server, Entity Framework, LINQ*

WCF Service-oriented Architecture (2017 - 2018) Innovator and lead developer for a set of enterprise-level WCF services that encapsulated complex integrations and reusable functionality. Allowed internal applications to easily integrate with external client and vendor APIs, regardless of standards or compatibility. Also replaced redundant code and GAC assemblies which were difficult to maintain across multiple servers due to complex machine configurations and dependencies. *C#, WCF, JSON, SOAP, Entity Framework, ADO.NET, MSMQ, Postman, SoapUI, Groovy*

Multi-Payment Transaction UI Component (2017) Designer and developer of a complex, reusable MVC component allowing multiple payments to be entered within one transaction. Required several different lines of business to be paid through one interface, each with its own UI and business rules. Utilizes Razor partial-views and jQuery for a highly dynamic user experience based on live service data and config settings. Reusable partial-views and scripts utilized in multiple products with similar requirements. *C#, MVC, Razor, jQuery, Bootstrap*

Health Insurance Exchange Payment Integration (2016 - 2017) Architect and lead developer of a complex integration with a health insurer by accepting payments to bind coverage of policies and set up AutoPay. Designed custom HTTP-POST handoff to securely transfer the customer from client's site to ours, and accept payment data before performing HTTP-POST back to the client's site; eliminated PCI-DSS responsibility for the client while maintaining a seamless user experience. *C#, MVC, Bootstrap, jQuery, WCF, Entity Framework, T-SQL*

"MouseMoveByKey" Accessibility Tool (2016 - 2017) Creator of an open-source project for use by people suffering from repetitive stress injuries (RSI) or other disabilities preventing ordinary use of a mouse. User can bind custom keyboard keys to emulate mouse movement in Windows. *C#, WinForms, Win32 Interop libraries, JSON serialization*

Recent Certifications and Training

Certified ScrumMaster® - *Scrum Alliance*® (Oct 2017)

ITIL® Foundation Certified - *Axelos* (May 2017)

Busey Evolve Leadership Training - *LeaderShape*® (June 2016 - Aug 2017)

Defensive Programming for C#; Foundations of .NET Platform Security (Courses) - *Codiscope* (Jan 2017)

Developing Securely for PCI-DSS (Course) - *Codiscope* (Dec 2016)

Defending .NET; CSSLP Domain 1; CSSLP Domain 3 (Courses) - *Security Compass* (Nov 2015)

Recent Volunteer Experience

Summer of Code Mentorship Program, LaunchCode - St. Louis, MO (June 2016)

Provided one-on-one mentoring for self-taught .NET programmers trying to jumpstart their professional development careers. Engaged candidates in a 9-week program, coaching them to complete a "job-ready" portfolio project that would help qualify them for the LaunchCode apprenticeship program.

Education

Webster University - St. Louis, MO (December 2005)

M.S. Computer Science, Distributed Systems, GPA: 3.9

Webster University - St. Louis, MO (May 2005)

B.S. Computer Science, GPA 3.8

- Minor in Website Development
- Graduated with departmental honors, Department of Mathematics and Computer Science