Shane Church

UX-focused software engineer and architect

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shaneschurch
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Publications and Presentations

- Church, S. (2017, April). *Use Mouse – Not a Touchscreen: Dealing with rapidly changing user expectations.* Presentation at Experiencing UX – Central Iowa on April 19, 2017.
- Church, S. (2016, April). *The Power of Leaving Things Out.* Lightning talk at Experiencing UX – Central Iowa on April 20, 2016.
- Church, S. (2012, October). *Pick Your Poison: Mobile Web, Native or Hybrid?* Presentation at Denver Startup Week on October 24, 2012.
- Church, S. (2012, March). Develop Hybrid Native and Mobile Web Apps. MSDN Magazine, pp. 40-46. Retrieved from http://msdn.microsoft.com/magazine/hh852592.

Experience

STINE SEED
DALLAS CENTER, IA
Senior Software Engineer
Feb. 2017 – Present

- Worked as a full-stack developer on a small team designing and developing applications in support of the research and sales operations at Stine Seed using technologies including HTML, CSS, JavaScript, Angular 6, D3.js, Webpack, Node.js, C#, ASP.NET, .NET Core and SQL Server.
- Served as the lead UX expert, designing and implementing UI in consultation with end users.

AQUENT
DES MOINES, IA
Creative Technologist at Nationwide Insurance
Apr. 2016 – Dec. 2016

- Acted as UX lead on a project for the HR organization, leading a team of 4 UX members in Columbus, OH.
- Worked as a contractor on the user experience (UX) team at Nationwide Insurance designing and developing high fidelity UI prototypes for multiple business units using technologies including HTML, CSS, JavaScript, Bootstrap, Node.js, Angular.js

TWO RIVERS MARKETING
DES MOINES, IA
Development Supervisor
July 2015 – Feb. 2016

- Managed team of 2 developers and a project manager providing technical guidance and mentoring.
- Served as the primary technical point of contact for clients and internal account teams for all phases of development from sales through implementation.
- Developed numerous engaging animations and applications for clients using HTML, CSS, JavaScript, SVG, ReactJS, and Node.js.
- Established standardized development processes and workflows using Git, Node.js, and Grunt.js.

SHOPATHOME.COM
DENVER, CO
Senior Software Engineer
Aug. 2014 – June 2015

- Developed browser extensions for Chrome, Firefox, IE, and Safari using HTML5, CSS, JavaScript, Backbone.js, Handlebars, RequireJS, Lodash, and jQuery.
- Developed back end services to support the browser extensions in C#, ASP.NET MVC, and ASP.NET WebAPI.

EFFECTIVE UI
DENVER, CO
Technical Lead
Sep. 2010 – July 2014

- Lead a team of 5 developers in building and architecting a system for National Oilwell Varco to visualize and edit oil well designs in 2D and 3D in HTML5 canvas using AngularJS, Twitter Bootstrap, KineticJS, ThreeJS, ng-grid, and Bing Maps, and Node.js. Also managed development resources in Ukraine and QA resources in India for this project.
- Lead a team of 4 developers in building and architecting a system for the El Paso County (CO) Assessor's Office to value oil and gas drilling operations for tax purposes using ASP.NET MVC 4, .NET 4.5, C#, jQuery, KnockoutJS, and Entity Framework 5.0.
- Developed a mobile technology demonstration prototype running on Android, and iOS using ASP.NET MVC 3, .NET 4.0, C#, jQuery, jQuery Mobile demonstrating the integration of mobile web with native device functionality. This prototype was the source of the MSDN Magazine article in March 2012.
- Developed, architected, and assisted in the sales process on a number of projects involving HTML5, CSS3, AngularJS, jQuery, jQuery Mobile, Twitter Bootstrap, ASP.NET (MVC, WebAPI), C#, WCF, SQL Server, Node.js, and numerous other Web development tools.
- Worked with and managed offshore resources in India, Ukraine, and Ethiopia on various projects.

CNSI
LAKEWOOD, CO
Senior Software Engineer
May 2008 – July 2010

- Proposed, designed, and developed an online tool for Mine Rescue Teams, including a custom ASP.NET Google Maps server control, to allow emergency responders to get all of the relevant information about and directions to a mine emergency. The site uses the ASP.NET AJAX Toolkit, ASP.NET 3.5, Windows Communication Foundation, Google Maps, Google Local Search, and Oracle.
- Developed and maintained .NET systems for the Mine Safety and Health Administration of the US Department of Labor, including the public facing EGov portal using Visual Studio 2008, ASP.NET 2.0 and 3.5, SOAP Web Services, C#, and Oracle.

FUJITSU CONSULTING
GREENWOOD VILLAGE, CO
Systems Architect
Sep. 2006 – May 2008

- Developed the Prepaid Administration System user interface using C#, ASP.NET 2.0 and SOAP Web Services for the prepaid credit card group at Visa, Inc.
- Diagnosed and corrected production application issues for prepaid credit card services at Visa, Inc.

TIMECENTRE
WESTMINSTER, CO
Job Title
Aug. 2005 – Aug. 2006

- Designed and implemented Time Clock Server using C#, .NET Framework 2.0, ASP.NET, and SQL Server
- Designed and implemented a Pocket PC Time Clock application using C#, .NET Compact Framework 2.0, and SOAP Web Services

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
GOLDEN, CO
Sr. Systems Analyst/Programmer
Feb. 1998 – Aug. 2005

- Designed and implemented a number of web, desktop and mobile applications to facilitate sample tracking and environmental cleanup using ASP.NET, .NET Windows Forms, C#, Oracle, SQL Server, XAML, XML, and Palm OS

  - CH2M HILL / CH2M HILL MANAGED SERVICES
    Senior Systems Analyst/Programmer
    Nov. 2003 – Aug. 2005
  - RTS ENABLING TECHNOLOGY
    Software Engineer
    Feb. 1998 – Oct. 2003

Personal Projects

S-CHURCH.NET
https://s-church.net
https://github.com/churchs19

- Contributor to FullyFeedly, a browser extension to view the full content of articles directly in your Feedly feed for both Chrome and Firefox.
- Designed and implemented a series of free and commercial Windows Phone applications using C# and XAML. All apps are localized into 38 languages supported in the Windows Phone Store and have more than 200,000 combined downloads.
    - https://www.microsoft.com/en-us/store/search/apps?q=Shane%20Church
- Two of the above apps, Stirling Birthday and What I Eat, were featured 2-4 times weekly in at least one worldwide market in the Windows Phone Store beginning in September 2013 until the Windows Phone store redesign in mid-2016.
- Weather Info 2005 for Windows Mobile named "Program of the Day" by Telefonica.net on January 12, 2006
- Weather Info 2.4 for Pocket PC named "Freeware of the Day" by PocketPCTools.com on August 11, 2004

Volunteer Experience

HOLY SHEPHERD LUTHERAN CHURCH
LAKEWOOD, CO
Church Councilman
Feb. 2008 – Oct. 2009

- Elected council member and chairman of the Planning and Staffing committee in charge of with managing the human resources and planning needs for a staff of five full-time and seven part-time employees with a combined payroll in excess of $300,000.

DENVER TURNVEREIN
DENVER, CO
Director
June 2005 – Feb. 2008

- Elected member of the Board of Directors of 501(c)7 non-profit with a budget of over $200,000 involved in decision making regarding revenue, marketing, tax status, and operation.

Education

UNIVERSITY OF COLORADO AT BOULDER
BOULDER, CO
B.S. in Computer Science
1997 – 2001

Front-End Technologies

- HTML 5
- CSS 3
- JavaScript
- TypeScript
- jQuery
- JSON
- SCSS
- Angular
- Ionic Framework
- Knockout.js
- Handlebars
- SVG
- Bootstrap
- Backbone.js
- Responsive Design
- D3.js

Back-End Technologies

- C#
- Node.js
- .NET Core
- .NET Framework
- WinRT/UWP
- XAML
- XML
- WCF
- Entity Framework
- Lucene.NET
- Elasticsearch

Database Technologies

- Microsoft SQL Server 2000 – 2016
- Oracle 8.05, 8i, 9i, 10g
- MySQL
- MongoDB
- Couchbase
- SQLite

Mobile Technologies

- UWP
- Windows Phone
- PhoneGap/Apache Cordova
- Custom Hybrid Applications
- .NET Compact Framework
- Silverlight for Windows Phone

Development Tools

- Microsoft Visual Studio
- Microsoft Visual Studio Code
- Adobe Brackets
- Git
- Subversion
- TFS
- Webpack
- Grunt.js
- Gulp.js