Shane Church
UX-focused software engineer and architect

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Experience

VERMEER
Pella, IA

Senior Software Engineer – Intelligent Systems
Feb. 2024 – Present

Development Team Lead
Nov. 2020 – Feb. 2023

Senior Developer
June 2019 – Nov. 2020

- Supervised and mentored team of 4 developers.
- Lead a migration from on-premises source control and CI/CD to GitHub including building documentation and reusable workflows to facilitate the transition for other teams.
- Served as the go-to resource for any multi-system debugging issue.
- Worked as a full-stack developer designing and developing applications supporting business operations and engineering at Vermeer using technologies including Vue.js, Angular, HTML, CSS, JavaScript, C#, .NET, MAUI, Oracle, PostgreSQL, and Azure.

STINE SEED
DALLAS CENTER, IA

Senior Software Engineer
Feb. 2017 – March 2019

- 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 7, D3.js, Elasticsearch, Webpack, Node.js, C#, ASP.NET, .NET Core and SQL Server.
- Served as the lead user experience (UX) expert, designing and implementing UI in consultation with end users.

AQUENT
DES MOINES, IA

Creative Technologist at Nationwide Insurance
Apr. 2016 – Dec. 2016

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

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.

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

- Proposed, designed, and developed an online tool for Mine Rescue Teams to allow emergency responders to get all of the relevant information about and directions to a mine emergency. Developed and maintained .NET systems for the Mine Safety and Health Administration of the US Department of Labor using Visual Studio, 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 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
Software Engineer
Aug. 2005 – Aug. 2006

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

Publications and Presentations

- Church, S. (2019, January). *Programming Lego Boost with JavaScript.* Presentation at dsmJs on January 8, 2019.
- 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.

Volunteer Experience

DSMHACK
DES MOINES, IA
Director At-Large
Jan. 2025 – Present

- Director at-large for dsmHack helping in organizing the annual charity hackathon helping Des Moines-area non-profits solve their technology problems because technology should never be a barrier to doing good.

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.

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

Education

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