

# James Schafer

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## Summary

I am a professional software developer who enjoys coding in my free time to keep up to date with new technologies. I have over 9 years of professional .NET development experience.

## Experience

### Taylor Digital

### Software Developer 4

September 2019 to Present

- Designed a flexible long running process system using Azure Functions and Queues.
- Led a proof of concept for rewriting a legacy application in Blazor piece by piece using the strangler pattern.
- Implemented a Feature Flag system to prepare for continuous deployment of an application.
- Built a Secret Management solution to simplify configuration across many deployment environments.
- Created new REST APIs from the ground up using ASP.NET Core microservices and NoSQL CosmosDB.

### Metropolitan Software

### Consultant

May 2019 to Present

- Built an Employee Calendar widget using Angular, NGRX, and an ASP.NET Core web service to read data from the SQL database.
- Deployed and tested the application using Azure Websites and Azure DevOps.
- Documented and fixed bugs in a large and complex Angular application.
- Built a mobile application for iOS and Android phones using NativeScript.

### CareSource

### Domain Architect

September 2016 to September 2019

- Converted a monolithic web service platform to many individually deployable .NET Core micro services.
- Created .NET Core libraries to share common logic across many micro services. This allowed us to support these services consistently which allowed them to grow to serve over a million requests per day.
- Created an application to call a web service every time a message was placed in an enterprise service bus queue.
- Created a container-based web application framework to share user management, web components, layout and more across a suite of internal web applications.
- Automated build and deployment processes with TeamCity and Octopus Deploy into a common pipeline for hundreds of applications. Later migrated this pipeline to Azure DevOps Server.
- Migrated applications from a database focused logging system to use Splunk to aggregate log messages and report on log data.
- Created code generated stored procedures for simple database table operations and a data abstraction library to facilitate executing them from web services.
- Established and documented development standards with the enterprise architecture team.
- Managed capacity and the needs of development teams totaling over a hundred employees in centers of excellence and company-wide initiatives.
- Acted as the technical project manager for a multi-year project to replace a critical corporate application. Represented the IT department to the business and managed scope and work for all development efforts.
- Worked with Pivotal representatives to stand up and utilize Pivotal Cloud Foundry at CareSource for development.
- Led development efforts related to major performance issues of a critical business application that was causing work stoppages for the business.
- Unit tested services and applications with Moq and XUnit using Test Driven Development principles.
- Regularly attended ASP.NET Community Standup to keep up to date with the latest Microsoft features.
- Built a system for integrating HL7 documents with other managed care plans and providers.

**CareSource** **Sr. Application Developer** **March 2013 to September 2016**

- Created an ASP.NET MVC application to manage non-traditional healthcare services. Later transitioned the project to a team and led the development efforts of that team.
- Led efforts to focus development work on service-oriented architecture principles and devops best practices.
- Created an HTML injector using jQuery for adding new features to a vendor's application.
- Contributed major components to a custom-built service bus for development teams to build REST services.
- Designed and built a proof of concept progressive web application for administering member assessments offline using Angular and HTML5 local storage.
- Practiced and advocated for Agile methodologies to produce quality code iteratively.
- Acted as technical lead for multiple development teams mentoring their employees and designing the architecture for their applications.
- Led development efforts around major upgrades of a vendor application.
- Managed the software development lifecycle using ServiceNow change requests for production deployments.

**Reynolds & Reynolds** **Software Developer** **January 2011 to March 2013**

- Nominated for company-wide Associate of the Year. Earned a Meritorious Performance Award.
- Created reusable web components for a DatePicker, step-based wizard, and TreeView, using HTML Helpers, Telerik controls, and jQuery.
- Developed quality software for a customer relationship management application.
- Developed screens in an administration application to manage users and permissions.
- Helped create the design document template for the team to use in documentation.
- Mentored new employees to help familiarize them with the projects and MVC Development.
- Localized the application using ASP.NET resource files.
- Created reports using SQL Server Reporting Services.
- Worked closely with product designers to obtain thorough requirements.

**Personal Projects** **Dungeon Bot** **Current**

- <https://github.com/bofirial/DungeonBot>
- Creating a game using Blazor, Roslyn, and Monaco where players can code a bot using csharp to battle enemies and storm dungeons entirely on the client-side.

**Blazor Four in a Row** **October 2018**

- <https://github.com/bofirial/BlazorFourInARow>
- Gave talks at the Dayton .NET Developers Meetup and Smart Data Lunch and Learn on Blazor and Web Assembly.
- Created a real time Connect 4 game using Blazor, Azure Functions and Azure CosmosDB to learn new technologies and demo during the talks.

**Google Tasks Synchronizer** **January 2018**

- <https://github.com/bofirial/GoogleTasksSynchronizer>
- Created an Azure Function to synchronize Google Tasks across multiple accounts every 15 seconds.

**Education** **Lawrence Technological University** **December 2010**

Bachelor Degree in Computer Science  
GPA: 3.75 / 4.00

## Proficiencies

<b>Technologies</b>	.NET Core Development	Typescript	SCSS
	SQL	NoSQL	Blazor
	ASP.NET	Angular	Bootstrap
	Entity Framework	Dapper	XUnit
	Microsoft Azure	NativeScript	CosmosDB
	NGRX	Fluxor	
<b>Processes</b>	GitFlow	Agile	Test Driven Development
	SOLID Principles	Flux Pattern	
<b>Tools</b>	Visual Studio	Visual Studio Code	CodeSmith
	TeamCity	OctopusDeploy	Azure DevOps Server
	Pivotal Cloud Foundry	Artifactory	NuGet
	Fiddler	ReSharper	dotPeek
	Git	Moq	Swagger