

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 10 years of professional .NET development experience.

Experience

**IGS Energy
(Contracting w/ Agility Partners)**

Senior Software Engineer

February 2021 to Present

- Supported the Home Warranty Division by building and enhancing web services and applications.

Taylor Digital

Software Developer 4

September 2019 to February 2021

- 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

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