Matthew Foster Callahan

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Summary

Hi, my name is Matt Callahan and I am a software developer and map nerd in Phoenix, Arizona. Learning and working with the ever-changing landscape of computer hardware and software is my passion. Here are some of my favorite technologies, development tools, and languages in no particular order: Windows Server, Microsoft Azure, SQL Server, Visual Studio, Git, TFS/VSTS, C#/ASP.NET MVC, Entity Framework, Dapper, Python, JavaScript, jQuery, React, AngularJS, KnockoutJS, LeafletJS, ArcGIS, MapInfo, QGIS, OpenStreepMap.

Education

University of Wisconsin-Madison
Bachelor of Science, Geographic Information Science — 2007

Experience

Software Engineer, Carvana
Tempe, AZ — Feb 2018 - Present

I am currently a Software Engineer at Carvana and focus primarily on C#/ASP.NET back end development to support the APIs and applications that help power carvana.com. My responsibilities also include front end development, and I help deliver a great customer experience by leveraging HTML5 and JavaScript ES6+ with React/Redux, AngularJS, and jQuery.

Application Developer, CBRE
Phoenix, AZ — Jan 2015 - Feb 2018

As an Application Developer in the Location Analytics department at CBRE, my primary responsibility was GIS application development using a Microsoft and Esri stack (Windows Server, IIS, SQL Server, ASP.NET MVC, ArcGIS Server/Online). I helped build desktop and web applications that delivered spatial data and analytical mapping tools to service real estate brokers and their clients.

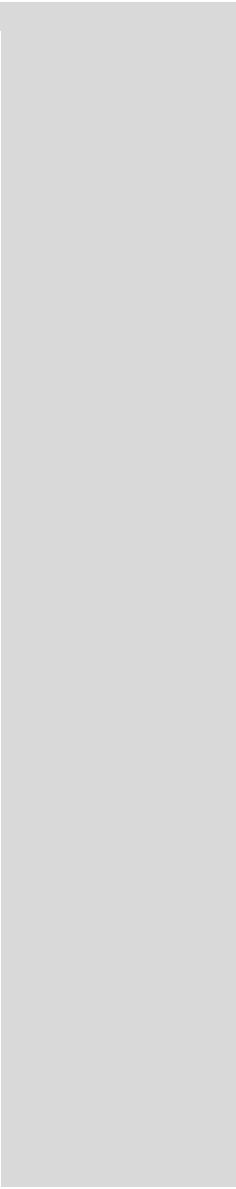**GIS Specialist, CBRE**
Phoenix, AZ — Jan 2011 - Jan2015

As a GIS Specialist, I focused on web and desktop development. I assisted in directing an enterprise GIS deployment while performing these duties: developing software for GIS analysis (ASP.NET MVC, Python, MapBasic); maintaining and updating legacy ASP.NET MVC applications; performing advanced spatial data analysis (Alteryx, MapInfo); advising on high level software architecture and best practices.

GIS Technician, CBRE
Phoenix, AZ — Mar 2008 - Jan 2011

My primary responsibility as a GIS Technician at CBRE was acting as the contact for six city or regional markets, providing cartographic and demographic materials for commercial real estate analysis. The GIS consultation I provided to brokers and other staff afforded them the ability to make well informed decisions and provide the best possible service to their clients.

GIS Technician, City of Sun Prairie
Sun Prairie, WI — May 2007 - Mar 2008

Primary responsibilities included spatial database management, GPS data collection and post processing, and data analysis. Major projects included city wide sanitary sewer and water system

inventory, vehicle crash analysis at problematic intersections, and storm water flood analysis.