MATTHEW CALLAHAN

ABOUT ME

Hi, my name is Matt Callahan and I am a software engineer in Phoenix, Arizona. I have over ten years of experience in web and desktop development, with a focus in GIS/map application development. Learning the ever-changing landscape of software development is my passion.

CONTACT

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CERTIFICATIONS

Microsoft Technology Associate: Developer

KEY SKILLS

C# (.NET & .NET Core)
JavaScript ES6+
TypeScript
Angular
Node.js
Python
Git
ArcGIS
Backend & API development
Azure

EDUCATION

University of Wisconsin–Madison
Bachelor of Science, Geographic Information Systems

EXPERIENCE

Staff Engineer, Republic Services | Scottsdale, Arizona
May 2019 – Present
- Lead a team of eight developers and testers, overseeing talent development, skill set improvement, and acting as a mentor to all team members.
- Established and implemented a standard application architecture for greenfield development (.NET & .NET Core back end/Angular front end).
- Implemented unit test standards for the team and led effort to increase test coverage on all apps, reducing the number of production bugs.
- Authored coding conventions and style guide documents for developers and currently leading effort to refactor all applications to follow these guidelines.
- Technologies used: .NET, .NET Core, C#, Angular, Node.js, TypeScript, JavaScript, Python, SQL Server, ArcGIS.

Senior GIS Developer, Republic Services | Scottsdale, Arizona
December 2018 – May 2019
- Front and back end web development, creating enterprise applications which focused on mapping and visualizing data to assist in daily business operations (ASP.NET, Angular).
- Desktop GIS application development (ArcGIS Pro .NET SDK, Python).
- Implemented a uniform Git branching strategy and code review process for all application repositories.

Software Engineer, Carvana | Tempe, Arizona
February 2018 – December 2018
- Back end development to create and maintain the APIs and microservices which powered carvana.com (C#, .NET & .NET Core).
- Front end development to create a mobile responsive user interface for a vehicle inventory search engine (JavaScript ES6+, React/Redux, AngularJS).
- Implemented A/B testing to help drive data analytics and deliver the best UX.

Application Developer, CBRE | Phoenix, Arizona
January 2011 – February 2018
- Developed web applications which provided analytical and mapping tools to real estate brokers and their clients (ASP.NET MVC).
- Administered on-premises web and SQL servers (Windows Server, IIS, SQL Server, ArcGIS Server).
- Developed desktop applications for GIS data analysis (C# .NET, WinForms, MapBasic, ArcGIS Pro .NET SDK, Python).
- Employee of the year "MVP" award, 2012.

GIS Technician, CBRE | Phoenix, Arizona
March 2008 – January 2011
- Developed scripts and desktop GIS tools to automate tasks and improve workflow efficiency of GIS Technicians.
- Created custom maps, demographic reports, and market research reports for commercial real estate brokers, affording them the ability to make well informed decisions and best serve their clients.
- Employee of the Quarter, 1st quarter 2009.