David Colvin

Software Developer

PROFILE

I am a dynamic software engineer who has worked for over 9 years in the industry. I describe myself as easy going, but also a hard-working team member. Finally, I am a problem solver who gets results.

CONTACT

PHONE:
616-826-2579

EMAIL:
davidmcolvin@gmail.com

WEBSITE:
https://davidmcolvin.github.io

GITHUB:
https://github.com/davidmcolvin

TWITTER:
https://twitter.com/davidmcolvin1

LINKEDIN:
https://linkedin.com/in/davidmcolvin

SKILLS AND CERTIFICATIONS

LANGUAGES/TECHNOLOGIES:
C#, SQL, HTML, CSS, WPF, ADO.NET, ASP.NET, MVC, SSRS, MVVM, XUnit, GIT, TFS, LINQ, Log4Net, Web forms, Win forms, Web Services, .NET Framework

DEVELOPMENT SOFTWARE:
Visual Studio, SQL Server, Business Intelligence Development Studio

CERTIFICATIONS:
Microsoft 70-480 Programming in HTML5 with JavaScript and CSS3, Microsoft 70-761 Querying Data with Transact-SQL, Microsoft 98-361 Software Development Fundamentals, Microsoft 98-75 HTML5 Application Development Fundamentals

WORK EXPERIENCE

Senior Software Engineer
Harris Computer, Remote
2012–Present

- I work in many different areas of a property tax software product, but I largely focus on the assessment administration side (AA). AA deals with many aspects, but it can be summed up as being responsible for calculating assessment, exemption and taxable values on a property in order to deliver the taxpayer a correct tax assessment. There are many screens, business rules, bugs and features to keep track of in this part of the application which can be customized.

- Development for a team behind the AA calculations for California that figures out a property's taxable value. The business rules were written in TSQL and ran using the .NET stack. These calculations figure out hundreds of billions of dollars in value on over a million properties every year. The calculations are running in the California counties of Riverside, Santa Cruz, Santa Barbara, Inyo and more to come.

- Our customers maintain these parcels and their values with a web application using front end technologies such as ASPX, Angular, HTML and CSS pages which were maintained by my team. For example, I helped create a screen that was used to override values on an assessment notice using a tiered architecture written in .NET and TSQL.

- Champion of more automated testing including unit, integration and end to end testing. I have personally either written myself or helped create hundreds of automated tests.

- Always on call for issues deemed critical by our customers. We would work with them directly to do whatever is necessary to get them operational again. For instance, the state of California must sign their assessment roll which states all official values on July 1st. They were unable to do so until a team of developers and I helped solve multiple issues during their first year live. We ended up fixing over a billion dollars in value left over from various issues in a single weekend.

- Over time I became very knowledgeable in many specialized business processes and the product in general. There can be many questions heading my way during the day, so I have had to learn to efficiently split my time between helping others and getting my own work done.

➢ I pride myself in having responsibility for my work and being a conscientious employee. These two qualities would result in reviews like this one given to me in 2019 from someone highly regarded in our company, "One of Dave's best qualities is that he is thorough in his work. He takes the time to understand and fix things properly. He seeks out advice or discussion when necessary and considers others input before making final decisions on implementing fixes. He has stepped up to work excessive hours in a couple of key times that have called for it in order to meet major deadlines (such as Roll Close and Roll Extension for Riverside)."

➢ I am tasked with writing new features and programs that solve a variety of problems for our client and internally. One example of this is a process that would take a stored procedure and raise events as if they happened in the app in order to get specific work done. Also, using that same infrastructure, I wrote a feature where developers could write a stored procedure that would "mass accept" property values for our customer. Those two tools automated things that used to be manual which had the effect of saving the customer hundreds of hours. Last tool I will explain here is a program that would figure out if a client ran all the data fixes we had sent to them. It found dozens of times they had not ran them which would have had negative consequences. All of this was written in C# and SQL. The first two were integrated into our product, and the latter is internal using WinForms for its front end.

EDUCATION

Ferris State University
- ❖ December 2011
- ❖ Bachelor of Science in Digital Media Software Engineering
- ❖ GPA: 3.73
- ❖ Graduated with honors cum laude.
- ❖ Specialized in Database Design which is one of my favorite parts of software development.

Relevant Courses Completed: Computer Programming 1 &II, Software Data Structures, Programming Languages, Application Programming Interfaces, Engineering Enterprise Software Applications, Programming Graphical User Interfaces, Software Engineering Methodologies and Processes, Software Requirements Management, Software Configuration Management, Software Quality Assurance, Software Design and Architecture, Software Engineering Tools, Software Development Industry Certification, Capstone in SENG, Database Design and Development, Advanced Database Design.

Grand Rapids Community College
- ❖ August 2011
- ❖ Associate of Arts
- ❖ GPA: 3.29
- ❖ 6x Dean's List
- ❖ Specialized in physics and math.

Courses Completed: Precalculus, Calculus 1, Calculus 2, Calculus 3, Linear Algebra 1, Statistics, Calculus Physics 1, Calculus Physics 2