

David Colvin

PROFILE

Dynamic software engineer developing for 7+ years with a never say die attitude and a strong customer focus. Impassioned lifelong student of the art and science of software development. Friendly and helpful team member. Problem solver who will get you results.

CONTACT

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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

Software Developer

WORK EXPERIENCE

Senior Software Engineer
Harris Computer, Portage, Michigan
2012–Present

- Experienced in many different areas of the property tax software product, but largely focused on the assessment administration side (AA). AA deals with many things but can be summed up as calculating assessment, exemption, net taxable and many other tracking values on parcels in order to deliver the taxpayer a correct tax bill. There are many screens, business rules and bugs to keep track of in this very custom part of the application.
- One of the main developers behind the AA calculations for California that figures a parcel's worth. The business rules were written in TSQL and run using the .NET stack. These calculations figure out hundreds of billions of dollars in value on over a million parcels. The calculations are running in the California counties of Riverside, Santa Cruz, Santa Barbara, Inyo and more to come.
- Our customers would maintain these parcels and values with web pages using technologies such as ASPX, Angular, HTML and CSS pages, most of which were created and maintained by a team including myself. For example, I was the writer of a screen that was used to override values on an assessment notice using a tiered architecture written in .NET and TSQL.
- Champion on the engineering side of an effort to do more unit, integration and end to end testing. The application started with very few tests and now has hundreds, many of which I have authored and supported for years.
- On call for issues deemed critical by our customers. Would work with them directly and build strong relationships by doing whatever is necessary to get them operational again. For instance, the state of California must sign their assessment roll on July 1st and could not do so until I led a team of developers to fix the problems. We ended up deleting over a billion dollars in value left over from various issues in a single weekend.
- Being very knowledgeable in many business processes and the product in general, there can be many distractions with regards to coworkers and customers asking for my input. Therefore, I have had to learn to efficiently manage my time.

ACTIVITIES AND INTERESTS

Making things with electronics

Practicing Spanish

Stretching, weight lifting and running

Reading sci-fi and fiction

Physics, math, and learning in general

Photoshop and Illustrator

Playing pool

- Having responsibility for my work and being a conscientious employee would result in multiple excellent reviews like this one given in 2019 from someone very highly regarded in our company and my mentor, "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)."
- Write new features and tools that solve a variety of problems for our clients and internally. One example of this is a process that would take a stored procedure and raise any kind and number of events as if they happened naturally in the app. Then, for my second example, using that same infrastructure, a feature was written where engineers could write a stored procedure that would "mass accept" property values for our customer. Those two tools automated things that used to be manual and saved the customer hundreds of hours. Another tool would figure out if a client ran all the data fixes sent to them. It found dozens of data fixes not ran for just one of our large clients. All of this was written in C# and SQL. The first two were integrated into our product. 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