Matthew Dean Martin

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http://wakayos.com

Experience

- **Fors Marsh Group**   Ballston, Virginia
  Senior Software Engineer I   *December 2014 – Present*
    - **.NET Stack Backend Development** Created entity framework data tier for authentication store. Augment existing WIF (Windows Identity Framework) single sign on solution to support self configuration. Create HTTP/REST based ASP.NET WebAPI interface and corresponding C#, JavaScript and PHP clients.
    - Created WCF service layer, including features for reducing configuration and misconfiguration risks. Also did WCF performance tuning, which included improving serialization and switching to asynchronous techniques using .NET 4.0 Task library.
    - **HTML5 and TypeScript Front End Development** Implemented requirejs module loading, converted existing JavaScript to TypeScript. Implemented clientside error logging, client side random data generation for testing and underscore based widget templates. Participated in creating knockout-js client side databinding for an MVC application.
    - Participated in maintenance of both WebForms, MS-Ajax and MVC 4 applications.
    - **DevOps and Buildmastering** I established an end-to-end automated TFS build, customized for nUnit tests. Wrote powershell scripts to automate certain build tasks and deployment tasks.

  Senior .NET Developer with Benten   *July 2014 – December 2014*
    - Recruiting firm I worked for until it converted to permanent placement.

- **CACI**   Pentagon, Virginia
  JavaScript and C# Software Developer III   *February 2013 – July 2014*
    - **.OracleForms to .NET Application Conversion.** Worked on a large team of three to six developers in an application re-write. We migrated the user interface from Oracle Forms to a hybrid ASP.NET WebForms, MVC and JavaScript driven single page application, with some work to integrate with Oracle backend using PL-SQL. Significant time spent improving web application performance to get the web application which started out with 10-15 second response for most action down to instant response time.
    - **.NET Performance Tuning.** I also did extensive performance for an application that generated Word documents, which at the beginning could run overnight and often failed anyhow. I solved the applications multi-threading problems, races, deadlocks, implemented Parallel Task Library and WCF patterns to get the reports to generate in three to five minutes, despite having to do 50 times the work load.
    - **DevOps and Buildmastering.** Refactored legacy code and implemented automated unit and integration tests to detect breaks before release to test.Participated in the release process using TFS as a process management tool and build server. Saw about six maintenance releases to production and 50 iterative releases to test as a part of a broader continuous integration strategy.

  JavaScript and C# Software Developer III wiht AboutWeb   *August 2012 – February 2013*
    - Recruiting firm I worked for until it converted to permanent placement.

Education

- **University of Akron**   Akron, Ohio
  Masters in Economics   *1996-1998*

- **University of Akron**   Akron, Ohio
  BSBA in Finance   *1996*

Skills

Expert: C#, MVC, .NET 4.5, JavaScript, Visual Studio, T-SQL, MS-SQL, IntelliJ, Python, WebAPI/REST, Nunit

Intermediate: Java, Lua, C++, Eclipse, PL-SQL, msbuild, IIS, SVN, TFS, Entity Framework, WIF

Can Learn Fast: Ruby, PHP