Matthew Corless

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Professional Experience

Lockheed Martin – College Student Tech Spec   **5/2016 – 8/2016, 5/2017 – 04/2018***

* I switched to part-time (30-40 hr/wk) in September to continue work on AWBS 11 while I finish school

Automated Weigh & Balance System (AWBS)   8/2017 -

· Work on a team of 10 developers utilizing Agile methodologies. Our main project is AWBS 11.0 featuring a Xamarin client for AWBS with a scheduled release of May 2018.
· Primary developer for RESTful API for Xamarin application currently being developed. I refactored an early prototype API from using SQLite and Dapper to SQL Server and Entity. I am also responsible creating and testing all API requests.
· Created all CRUD operations necessary for API primarily using LINQ to Entities and stress tested all CRUD operations to ensure the average and worst cases were as efficient as possible.
· Created SQL Server database (tables, datatypes/lengths, foreign key relationships, and triggers) and I am responsible for changing schema to match changes in the client schema throughout development.
· Configured test server so other developers without SQL Server can test their clients with the API.
· Added new features and bug fixes for AWBS (U.S. military) and CAWBS (U.S. ally countries) ASP.NET websites. This includes adding new user permission groups for managers to control their employee permissions when the Xamarin client is released and fixing any urgent bugs on both websites.
· Languages/Frameworks: C#, .NET (LINQ, ASP, ADO), Entity, SQL/T-SQL, and HTML

Viper Change Management (VCM) and Engineering Drawing Tracker (EDT) Websites   5/2016 – 8/2016, 5/2017 – 8/2017

Edited Release Notes of EDT changes I implemented: 2016, June 2017, August 2017
· Worked various bugs and tasks on TFS including: generating Word, PDF, Excel, and RDLC reports, adding new features such as bulk profile processing, and general bug-fixing.
· Examples of work:
   I.   Added functionality to allow users to advance, challenge, and reject drawings assigned to them in bulk instead of having to perform actions on each individual drawing. This utilized JavaScript and jQuery for client-side logic on which profiles could be selected together and server-side logic to perform the bulk processing (profile status change, bulk emailing, etc.).
   II. Created a History database table and supporting C# classes to track every change a user made to a profile in one session and would save the changes in a compact JSON string. Created a web control to display every change in a profile since its creation, the user that committed the change, and the date of the change.
· Languages/Frameworks: C#, .NET (ASP. NET Web Forms), SQL, HTML, CSS, JavaScript, jQuery, Bootstrap

Personal Projects

Converter | Source Code | Download (jar)
· Features: Java, CSS, HTML, JavaFX, JUnit Testing, continuous integration (Travis CI), and Maven
· Decimal, binary, hexadecimal, and octal converter and shows how to do each conversion

matthewcorless.me | Source Code
· Personal portfolio website (single page application)
· Features: HTML. CSS, JavaScript

Education

Arizona State University | B.S. Software Engineering May 2018 | GPA: 3.7
· Primary focus in Web & Mobile Applications
· Secondary focus in Technological Entrepreneurship & Management

Miscellaneous Skills

Languages: C#, Java, HTML, SQL (and Transact-SQL), CSS
Libraries/Frameworks: .NET, ASP.NET Web Forms, Entity, AJAX, Bootstrap, jQuery
Tools: SQL Server, TFS, Git, Visual Studios, Eclipse, MS Office, MS Windows