Matthew Corless

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Experience

Lockheed Martin Aeronautics, Hill Air Force Base, UT   May 2017 -
Software Engineer Associate

I work on a team of 10 developers utilizing agile methodologies. Our main product is a weight and balance client with automated flight forms. Our products are used for every aircraft in the department of defense and by many F-16 and F-35 foreign customers. I am the sole full-stack developer for both of our websites: https://cs.lmaeronautics.com (public facing) and https://awbs.hill.af.mil (CAC required). I am responsible for the RESTful API our Xamarin client uses (slated for release June 1, 2018). I also maintain our current (soon-to-be legacy) SOAP web services.

Examples of work:

- Implemented a system that only allow users to download / view data if their country has a valid Technical Assistance Agreement for the designated software. This system took away our dependency to host software on other sites, led to a direct growth in the site's userbase, and allowed for more contracts with foreign countries.
- Implemented the first RESTful web API in LM Aeronautics. The RESTful web services allowed our mobile client to be more responsive than traditional DoD apps and required me to work closely with network engineers to create services that were secure enough for ITAR regulations and LM security standards.
- Created entire SQL Server database schema for our new Xamarin client (currently in TestFlight on iOS)
- Set-up multiple windows servers to internally test our web services and allow users to beta test our services with sanitized data.

Lockheed Martin Aeronautics, Hill Air Force Base, UT   May 2016 – August 2016
College Student Technical Specialist

I worked on an internal website that allowed LM engineers to keep track of thousands of engineering drawings during their lengthy approval process. I primarily fixed bugs and created new Word, Excel, PDF, and RDLC reports.

Examples of work:

- Created a tracking system to track every change in a drawing profile and displayed it in a formatted table.
- Added functionality to allow users to advance and reject drawings/tasks in bulk without any concurrency issues.

Education

Arizona State University | B.S. Software Engineering | GPA: 3.6 (Magna Cum Laude)   Exp. May 2018

- Primary Focus in Web & Mobile Applications
- Secondary Focus in Technological Entrepreneurship and Management
- Graduate coursework:
    - Distributed Software Development (in-progress)
    - Software Integration and Engineering (in-progress)

Skills

	Proficient	Moderate
Languages:	C#, Java, HTML, SQL/T-SQL	Objective-C, JavaScript, CSS
Libraries/Frameworks:	.NET, ASP.NET, Entity	Xamarin, Android, Swift, JavaFX, jQuery, Node.js, Bootstrap
Tools:	SQL Server, Git, TFS, IIS	Windows Server, SQLite, Android SDK, Maven