January 14, 2016

Dear Hiring Manager,

I have written this letter about your job opening titled as “Software Engineer / Embedded Systems” which gave me enthusiasm due to the plenty of skill matches with my experience.

I got my both B.Sc and M.Sc degree in Electrical and Electronics Engineering department in the field of Computer Science from Middle East Technical University (METU), Turkey. METU is ranked in the first 500 universities according to different international surveys and it is an English-spoken ABET-accredited university. I gained familiarity with FPGA in my undergrad courses and gained experience in MATLAB/SIMULINK in graduate courses and master thesis.

I have been working in Defense Industry for more than 5 years as a software engineer specialized in testing. I worked in biggest defense companies of Turkey, TAI and ASELSAN, which has strong relations with Honeywell, BAE systems, Skorksy, Boeing etc in the roles of customer, supplier or project partner. We develop and test the embedded safety-critical avionics software according to DO-178B standards. I design and generate requirement-based test cases in software partition level using C++ language. If I need any tool during the test development process, I develop my own tool using C# which is an object-oriented language too. Our test cases are designed so that they run on both Windows and Integrity operating systems. Therefore, I have familiarity with both Windows and RTOS OSs. Since more than one engineer would work on a single software partition, the solution in which test cases are developed are continuously monitored and integrated by using Jenkins.

I always worked in big teams in big aircraft projects which taught and enabled us to communicate with each other. Big teams are essential for aircraft software, since no single person can develop and test million lines of code in a limited time with a highly strict standard (DO-178B).

I will relocate to Ann Arbor, since my wife will have a master education in University of Michigan with J1 visa. Therefore, I will have a J2 visa and will be eligible to work in USA.

I tried to be short and avoiding details in this letter, however I will be glad to explain how my engineering skills and experience fit to this job opening to you in a larger interview time. You can reach me from [muharrem.demiray@gmail.com](mailto:muharrem.demiray@gmail.com) or +90 543 954 7856 whenever you want. Thank you for your precious time.

Sincerely,

Muharrem DEMİRAY

Enclosure: Resume