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.