



Senior Technical Lead - Embedded C/C++, DO-178

Description:

Mach Global Technology is seeking an experienced and highly skilled Senior Technical Lead to oversee and execute the complete embedded software development lifecycle. The ideal candidate will also manage a team of engineers to create and deliver DO178 project artifacts.

Responsibility:

- Possess a strong understanding of complex architectures, requirements, algorithms, interfaces, and designs for avionics systems.
- Develop code and perform Verification & Validation according to DO178B/C standards.
- Demonstrate technical expertise in software projects.
- Conduct peer reviews to ensure code quality and adherence to standards.
- Debug, fix bugs, and resolve complex issues using test benches that simulate aircraft cockpits.
- Conduct regression, unit, and integration testing.
- Ensure high-quality deliverables before handing them off to Quality Assurance teams for further testing and verification.

Minimum Skills/Experience:

- Extensive experience in developing and debugging embedded systems using C.
- Strong understanding of DO-178B/C standards and coding practices, essential for avionics software development.
- Demonstrated expertise in writing high-level and low-level requirements for embedded systems.
- Proficient in defining and executing high-level and low-level test procedures, with hands-on experience in verification processes.
- Strong knowledge of RTRT (Rational Test RealTime) or other unit testing tools, with practical experience in software verification.
- Comprehensive experience in the software development life cycle (SDLC) specific to avionics embedded systems.
- Familiarity with avionics communication protocols such as ARINC 429, ARINC 825, and RS232.

Qualifications : Bachelor of Technology in Computer Science & Engineering, Electronics & Communication or equivalent discipline with 4 to 12 years of relevant experience.