Career Opportunity: Software Development Engineer/Software Test Engineer

The Software Engineer will join a dynamic small aerospace company where you will take on software development and/or software test roles, on programs that make a big difference to the United States and our allies.   Our customers are mostly large Tier 1 US prime contractors who are supporting important platforms and missions. You will support multiple programs at any one time, multiplexing across product types such as batteries, chargers, RF, and avionics assemblies. You will be active with customers, and colleagues working in engineering, production, assembly, and test. The right candidate will have 3-5+ years of software experience in development and qualification programs, and production through test and delivery. Aerospace experience, especially in DO-178 requirements environments, is a big plus.

Responsibilities:
- Design, develop, and test safety-critical software systems for aerospace applications
- Emphasize software testing, including unit testing, integration level testing, and functional testing
- Perform Static Code Analysis (LDRA, SonarQube, CodeSonar)
- Participate in code peer reviews
- Develop test plans and write test cases using qualified tools (LDRA)
- Familiarity with SDLC and writing standard software documents (SRS, SDP, SDD)
- Experience with version control systems (CVS / SVN / GIT)
- Ensure compliance with DO178 DAL A standards throughout the software development lifecycle
- Collaborate with cross-functional teams, including hardware engineers, to integrate software with embedded processors and microcontrollers
- Debug software and tests, both on real target hardware and in an emulated environment
- Analyze test results to verify functionality and recommend corrective action upon findings of anomalies
- Hands-on experience with PCBs (Printed Circuit Boards) is essential
- Familiarity with Battery Management Systems (BMS) is a plus
- Familiarity with STM32 family of microcontrollers is a plus
- Familiarity with RTOS (FreeRTOS) is a plus

Education, Experience, and Qualifications:
- Bachelor's degree in computer science, Electrical Engineering, or related field
- Minimum of 3-5 years of experience in software development and/or testing, with a focus on DO178 standards
- Proficiency in object-oriented, embedded C/C++ programming

- Strong understanding of software unit testing and integration testing with qualified tools (LDRA)
- Experience documenting software in UML

Job type: Full-time, Exempt, Salaried. US Citizenship is required.

In-office job role: 100% on-site, in Chatsworth, CA 91331 – <u>not remote.</u>

Pay Range: $110,000 - $180,000.

Benefits:
- **9/80 work schedule**
- **401(k) and 401(k) matching**
- **Medical, Dental, Vision insurance**
- **Flexible spending account**
- **Life insurance**
- **Long Term Disability**
- **Paid time off (starts at 128 hours per year)**