



Electrical Engineer

Quallion, LLC has the broadest and deepest understanding of lithium ion chemistry and has a long history as a primary and rechargeable cell battery manufacturer for use in the medical, military and aerospace industries. Quallion is where science and engineering are advancing battery technologies, broadening design options and delivering power solutions that enable unique and challenging applications.

Summary:

The Electrical Engineer will provide technical designs for Battery Management System Software for use in aerospace and military programs. This Engineer will be the key contact for program management on all technical matters related to the electrical design of their product and is expected to contribute as needed during reviews and technical interchange meetings. This role will also support program requirements and needs with emphasis on specifications compliance and development of deliverable software/firmware. In addition they will interface with other technical teams, including Mechanical, Test and Quality, to determine design solution options that meet spec and allow for optimal assembly and test. The Engineer attends regular program meetings to address progress and ensure technical requirements are met.

Responsibilities:

- Full design and proof of concept test responsibility of programs.
- Establish, plan, design, develop, review and conduct coordination for software/firmware projects, taking into account customers, product performance, cost and quality requirements
- Use electronic design strategy to guide and continuously improve the development process and electronic control designs and systems
- Implement design in coding languages such as C, C++ and Assembly
- Document complete design specifications to include compliance to specifications as required.
- Create test plans and procedures for design verification

Qualifications/Requirements:

- A minimum 4-8 years experience desired

- Ability to develop software/firmware solutions, knowing the advantages, limitations and costs of various design approaches
- Systems hardware design experience including digital electronics, microprocessors, and microprocessor firmware.
- Ability to understand microcomputer architectures to achieve the most efficient hardware/software design solutions
- Familiarity with developing data acquisition tools using such programs as LabVIEW and MATLAB
- Knowledge of communications protocols including I2C, SPI and CANbus
- Ability to occasionally interface with vendors and customers including travel both domestic and international
- Outstanding people skills, with the specific ability to interact as a lead player
- Dynamic self-starter with ability to work independently and with cross-functional teams
- Strong decision making skills
- In-depth computer skills related to specific needs of position
- Knowledge of manufacturing, product engineering and procurement processes desired
- Experienced in aerospace and military electronics design is a plus

Education:

- B.S. or higher degree in Electrical Engineering or equivalent in related field.

To apply for this position:

Qualified candidates should send resume to Quallion LLC, attention Human Resources, hr@quallion.com and include “**Electrical Engineer - Department 71**” in subject line of the e-mail to be considered.

Quallion LLC offers competitive salaries, outstanding benefits packages and professional growth opportunity. For further information, please visit our website at <http://www.quallion.com/>

Quallion LLC is an Equal Opportunity Employer