

Senior Engineer / Embedded Developer

Primary Objective of Position:

The person will be responsible to design, develop and verify various software/firmware modules of flow meters. He/ She should be able to drive results with minimal supervision. The candidate would be an individual contributor. The candidate should be able to own the WBS independently and drive to completion with desired quality and timelines. The candidate should be able to adapt to a technologically innovative team and open work culture.

Job Functions:

- Interact with various product/project management teams, marketing teams to develop the requirements for software modules. Help the team lead to validate the viability of each requirement.
- Convert the product specifications to software requirement specifications.
- Design and Develop software modules for flow meters. Testing of individual modules.
- Integration testing with devices and various host systems, report generation and maintenance support. Static code analysis.
- Helping in product validation and verification by various groups
- Project Documentation
- Helping the team lead in Handling release management, code versioning and backup.
- Helping team lead to Provide customer support globally and especially for field failures.

Required Skills:

- **C++:** Proficient in using standard library, hands on experience of **C++11**, excellent programming skills is a must.
- **Linux:** Hands on experience of **Linux, U-Boot, kernel, GDB, CMake**.
- Exposure to **SQL/ SQLite** database management is desired.
- Basic understanding of **Secure boot, YOCTO** is desired.
- Must have excellent **debugging skills**.
- Should have exposure in developing embedded software for various microcontrollers.
- Should have exposure to Bus communication like **SPI, I2C** etc.
- Experience of working with Industrial Protocols (**Ethernet, MODBUS**) will be an added advantage.
- Adequate knowledge of reading schematics and data sheets for components.

Education:

- Bachelor's degree in Electronics Engineering required. Master's degree preferred. Open for bachelor's degree in Computer Science.