

## Principal / Senior Software Engineer

### Competencies

Applicant must possess excellent oral and written communication skills, and must be able to professionally interact with co-workers and supervisors in order to convey a high level of technical ideas, procedures and instructions efficiently and effectively.

Applicant must have excellent self-study skills to develop and maintain an understanding of new technologies, must be self motivated and be able to work independently with minimal supervision, must be able to work as a team member in a group environment for the completion of design tasks, and must possess the ability to work simultaneously on multiple projects in different stages with a sense of urgency and efficiency.

### Minimum Requirements

**Education:** Bachelor's degree in Electrical or Electronics Engineering (or Computer Engineering) or equivalent field of study.

**Related experience:** Min of 5 years of development experience, ideally would like someone with 2-3 years with project management experience/skills with potential to manage resources.

- Solid foundation in electrical/electronic design and development with strong competencies in data structures, algorithms, software engineering, object-oriented design, programming techniques with strong C/C++ skills.
- Familiarity with lab equipment that would be needed to unit or system level test software components, which may also include integration with hardware.
- Knowledge of TCP/IP, IP protocols, ARM, MCU, RTOS, and or embedded firmware.
- Proven history of success and individual contributions.

### Job Summary

- The Software Engineer will be a member of a team responsible for designing, analyzing requirements, developing, implementing, testing, debugging, and maintaining software solutions for FDI products, including but not limited to application development, system software architecture, software test development, and customer assistance.
- Drive IP reuse and structured coding and test standards.
- Influence selection of new tools and standards such as doxygen, code sorcery, etc.
- Will help in setting long term goals and software objectives for the company.