**Primary Objective of Position:**

Work as an independent embedded software developer and work in co-ordination with BU 

**Technical Skills required:**

* Strong programming knowledge of C, C++
* Strong experience in RTOS based system e.g. VxWorks, UCOS, Threadx, MQX.
* Experience in embedded databases such as SQLite.
* Strong experience writing Qt applications that target Linux and/or Windows 10.
* Strong experience in bootloaders such as U-boot.
* Device driver development knowledge.
* Hands on experience on various micro-controllers / multi-core processor-based systems.
* Expertise in communication protocols such as Ethernet, TCP/IP, Modbus TCP, RS232, RS485, SPI etc.
* Experience in utilizing TLS encryption and authentication methods.
* Knowledge of industrial communication protocols such as EtherCAT, Profinet, Ethernet I/P, etc.
* Familiar with IDEs such as KEIL, IAR, Eclipse etc.
* Hands on experience with usage of JTAG debuggers, Emulators, oscilloscopes, function generators etc.

**Other skills required:**

* Familiar with version control tools such as VSS, SVN, CVS etc. Experience with RTC is a plus.
* Familiar with Work Item and Defect tracking tools such as Jira, Bugzilla.
* Experience in working with internal and external teams/vendors.

**Experience:**

* 3+ years of experience in embedded software development
* Technically sound in embedded software development
* Effective verbal and written communication skills as well as good presentation skills
* Familiar with Agile and traditional software development lifecycle in a product development environment
* Prior knowledge about PLCs, DCS, MES systems and their programming would be an added advantage.

**Education:**

* Bachelors/Master’s degree in Electronics/Instrumentation/Telecommunication/Computers Engineering required.