

Jr. Firmware Engineer

JOB SUMMARY:

Brief Description of Job Duties:

- Programming RTOS embedded systems using C/C++/Assembly
- Develop device drivers: RS232, SPI, I2C, Ethernet PHY
- Programming control and maintenance applications using C/C++
- Maintain and enhance time and frequency product family
- Involving in system firmware quality verification
- Involving in product specifications, design software specification, and support of whole products lifecycle from concept through manufacturing and deployment

JOB REQUIREMENTS:

The applicant MUST have the Following Qualifications:

- Recent graduate and interested in developing firmware for embedded systems
- Programming languages: C/C++ and Assembly
- Knowledge of 64/32/16 bits CPU or microcontrollers hardware architecture.
- Knowledge of embedded multitasking RTOS such as VxWorks, QNX, MQX or equivalent
- Knowledge of device driver development: SPI, I2C, CAN, RS232
- Some knowledge of networking protocols: TCP/IPv4/IPv6, SNMP, NTP
- Good knowledge of SW system architecture, structured software development environments
- Know how to use/setup/configure common Electronic Test Equipment: Oscilloscope, EEPROM programmer, etc.
- Excellent troubleshooting skills
- Excellent written and verbal communication skills
- Self-motivated
- BSCE/BSEE or higher required
- U.S. Citizenship required

Additional Desirable Experience:

- Knowledge of Visual Studio C++
- Familiarity with Linux operating systems
- Knowledge of Scripting Languages: Python, Perl, etc.