Requisition ID 141
Full-Time Position
U.S. Citizenship Required for this Position

Sr. Firmware Engineer

Brief Description of Job Duties:

- Programming RTOS embedded systems and GUI using C/C++/Assembly
- Develop device drivers: RS232,SPI,I2C,Ethernet PHY, flash memory
- Develop and enhance networking protocol stacks: TCP/IP, SNMP, NTP, PTP, SSH
- 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:

- BSCE/BSEE or higher required
- U.S. Citizenship required
- Minimum of 5 years in developing firmware for embedded systems using C, C++ and Assembly
- Knowledge of 64/32/16 bits CPU or microcontrollers hardware architecture.
- 5 or more years' experience in embedded multitasking RTOS such as VxWorks, QNX, MQX or equivalent
- 5 or more years' experience in device driver development: SPI, I2C, CAN, RS232, EEPROM
- 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
- Attention to Detail
- Effectively manage time and tasks
- Ability to work on projects alone or as part of a team

Additional Desirable Experiences:

- Knowledge of Visual Studio C++
- Familiarity with Linux operating systems
- Knowledge of Scripting Languages: Python, Perl, etc.
- 1553 protocol
- Knowledge of GPS receivers

AAP/EEO/Reasonable Accommodation

As a federal government contractor, in accordance with applicable laws, regulations, Executive Orders, FEI-Zyfer, Inc. is required to develop annual Affirmative Action Plans (AAPs) and is committed to employ and advance in employment qualified minorities, women, individuals with disabilities, and protected veterans (including but not limited to, disabled veterans, recently separated veterans, Armed Forces service medal veterans, and any other protected veterans). Any employees or applicants who wish to review the Affirmative Action Plan (AAP) for individuals with Disabilities and Protected Veterans can contact us by sending an email to HR@fei-zyfer.com or by calling Human Resources at (714) 933-4000.

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If you are an individual with a disability or a disabled veteran and require a reasonable accommodation in applying for any posted position, please contact Human Resources at (714) 933-4000.