

Full-Time Exempt Position
U.S. Citizenship Required for this Position
Req # 179

Software Engineer

BRIEF DESCRIPTION OF JOB DUTIES:

- Programming embedded Linux systems and GUI using C/C++
- Develop device drivers: RS232, SPI, I2C, Ethernet PHY, flash memory
- Develop and enhance networking protocol stacks: TCP/IP, SNMP, NTP, SSH
- Programming control and maintenance applications using C/C++
- Maintain and enhance time and frequency product family
- Involved in system firmware quality verification
- Involved 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 4 years in developing firmware for embedded systems using C and C++
- Knowledge of 64/32/16 bits CPU or microcontrollers hardware architecture
- 3 or more years of experience in Real time embedded Linux, developing device tree
- 2 or more years of experience in device driver development: SPI, I2C, CAN, RS232, EEROM
- Good knowledge of Software 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
- Ability to work on projects alone or as part of a team

Additional Desirable Experience:

- Knowledge of Visual Studio C++/C#
- Linux bash scripting experience
- Knowledge of Scripting Languages: Python, Perl, etc.
- 1553 protocol
- Knowledge of GPS receivers

Salary Range: \$100,000/year to \$150,000/yr DOE

E-Verify

As a Federal Contractor, FEI-Zyfer is required to participate in the E-Verify Program to confirm eligibility to work in the United States. For information regarding your legal rights and protections, please click on the following links:

- E-Verify - https://e-verify.uscis.gov/web/media/resourcesContents/E-Verify_Participation_Poster.pdf
- Right to Work - https://www.e-verify.gov/sites/default/files/everify/posters/IER_RighttoWorkPoster.pdf

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 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.