Lead Embedded Software Engineer

Quake Global, a dynamic, fast-growing, high-tech electronics manufacturer has an immediate opening for a passionate, experienced Lead Embedded Software Engineer. This person will work closely with the hardware development team and specify, develop, debug and validate a new embedded Linux-based system. If you are looking to be the primary lead developer in an exciting new product development effort with a great deal of flexibility and responsibility over the architecture, design and implementation, this is the role for you! You will interface with customers, production personnel and customer support to bring this vision to life.

Duties:
- Embedded Linux software development in C at both the kernel and application level
- Assist in Product Definition and Requirements generation, author Engineering Specifications
- Evaluation, specification and integration of Linux kernel, BSP, bootloader, drivers, etc.
- Custom board bring-up, debugging and s/w design validation
- Participate and lead root cause analysis, bug fixes and feature enhancements
- Documentation of work product, concepts, and architecture for wide range of customers, products and applications
- Lead code reviews and participate in bug scrub
- Mentor and direct junior embedded software developers

Qualifications:
- Bachelor's degree in Computer Science, Software Engineering, Electrical Engineering or equivalent and 10 years of experience in embedded systems development
- 5 years of experience with embedded Linux
- Experience with Eclipse, CCS, Static Analysis, Perforce, Git, Jenkins and other such development tools
- Strong written and verbal skills with the ability to present concepts clearly and concisely using programs such as Word, Excel (charts), and PowerPoint
- Extensive knowledge of C/C++
- Experience with Linux distributions, tool-chains and open source projects, (i.e. Yocto, Ubuntu, etc.)
- Experience with legal aspects of using open source software
- Experience with database design and SQL-lite.
- Experience with a wide variety of drivers, back-porting techniques and other low-level issues
- Experience with board bring-up, and debugging techniques using a variety of tools & techniques.
- Experience with 2/4-wire Ethernet, USB, RS-232, RS-485, CAN, I2C, SPI, etc.
- Experience with Wi-Fi, Bluetooth, BLE, AT command-sets and NMEA message strings
- Experience with Bash, Python, Perl or other scripting languages

Desired Qualifications:
- Experience with Secure Boot, High Assurance Boot, Key and Certificate Management
- Experience with satellite communications, V2X or other wireless technologies
- Knowledge of test and diagnostic equipment such as JTAG, spectrum analyzers, oscilloscopes, etc.
- Familiarity with simple soldering and electrical diagnostics
- Experience with RF, analog, digital circuits and logic systems

Benefits include health and dental insurance, paid holidays and a 401k plan with partial company matching.

This is a great opportunity to work and grow with a thriving company. If you are interested, please reply with your resume.

Quake Global is an Equal Opportunity/Affirmative Action employer. If hired, applicants must present proof that they are legally authorized to work in the United States for an unrestricted period of time. Applicants from out of the San Diego area will be considered, but applicants should note that relocation expenses will not be paid by Quake.