

EMBEDDED DEVELOPER

JOB DESCRIPTION

Our organization is looking for an Embedded Software Engineer with exceptional experience embedded devices and systems from requirements to production and commercial deployment. The successful candidate will lead the vision for embedded firmware designs and leverage the IoT technologies developed along with other team members. Turning our IoT technologies into easy-to-use tools and valuable business tools is our key focus.

JOB DUTIES

- Design and implement software of embedded devices and systems from requirements to production to deployment
- Design, develop, code, test and debug system software
- Review code and design
- Analyze and enhance efficiency, stability and scalability of system resources
- Integrate and validate new product designs
- Support software QA and optimize I/O performance
- Provide post production support
- Interface with hardware design and development teams

QUALIFICATIONS

- Minimum BSCS/BSEE or equivalent
- 5+ years of experience developing in an embedded product environment.
- Proven experience in deploying products at scale will be key.
- Extraordinary development skills regardless of the language or environment:
- Exceptional skills with C/C++
- ARM Cortex micro-controllers, ESP cores and multi-core processors like TI Sitara
- demonstrated RTOS design and development experience
- Boot loader operation and implementation
- Expertise in embedded security
- Expertise with internet communication protocols
- Expertise with in bus connectivity schemes, including I2C, SPI, DIO, etc.
- Deep understanding of software architectural patterns and best practices
- Practical experience with the Linux and/or other driver models, memory management, etc.

DESIRED EXPERIENCES

- Wide range of skills using sensors in embedded development
- Wide range of skill using actuators and output devices in embedded development
- IoT, Wireless, Ethernet and other communication stacks and principles