Embedded Software Engineer Job Description



EMBEDDED SOFTWARE ENGINEER RESPONSIBILITIES INCLUDE:

- Designing and implementing software of embedded devices and systems
- Designing, developing, coding, testing and debugging system software
- Analyzing and enhancing efficiency, stability and scalability of system resources

JOB BRIEF

We are looking for a professional Embedded Software Engineer to execute complete embedded software development lifecycle. The goal is to create scalable and optimized software systems.

RESPONSIBILITIES

- Design and implement software of embedded devices and systems from requirements to production and commercial 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
- Assess third party and open source software

REQUIREMENTS

- Proven working experience in software engineering
- BS degree in Computer Science or Engineering
- Experience in hands-on development and troubleshooting on embedded targets
- Solid programming experience in C or C++
- Proven experience in embedded systems design with preemptive, multitasking real-time operating systems
- Familiarity with software configuration management tools, defect tracking tools, and peer review
- Excellent knowledge of OS coding techniques, IP protocols, interfaces and

hardware subsystems
- Adequate knowledge of reading schematics and data sheets for components
- Strong documentation and writing skills

SOURCE: https://resources.workable.com/embedded-software-engineer-job-description