**Embedded Software Engineer**

For 25 years, TES-i has helped commercial and defense organizations solve mission and safety-critical system challenges with innovative engineering, hardware, and software solutions. From concept to requirements, through design, development, prototype, integration, test, and production; our pioneering solutions, methods, and tools define the industry and accelerate tomorrow’s technology development today. Chances are you have experienced one of TES-i’s solutions at work and we are proud to serve 7 of the top 10 U.S. aerospace and defense firms.

**Summary Description:**

The Embedded Software Engineer participates in software development lifecycle phases (planning, requirements, design, implementation, test (IV&V), release, and support) following TES-i and/or project processes and standards with occasional direction and supervision from higher-level engineer(s) in order to satisfy customer and/or TES-i product requirements. Reviews the work of Associate Software Engineer and may act as technical and/or project lead of small teams.

**Essential Responsibilities & Functions:**

Creates work products in the planning, requirements, design, implementation, test (IV&V), release, and support phases of the software development lifecycle to customer and/or TES requirements and/or standards with occasional supervision from higher level engineer(s)

\* Designs, writes, modifies, tests, and debugs software

\* Writes and modifies documents associated with production software

\* Creates derived (low-level) requirements from high-level requirements

\* Assists in problem identification, diagnosis and resolution

\* Performs reviews for all software life cycle products

\* Prioritizes work order in order to achieve TES-I’ contractual obligations in a timely manner

\* Applies ongoing processing updates and changes as needed

\* Ensures high production and quality standards by giving procedural and operational suggestions.

\* Assists new team members in achieving production and quality standards by training and mentoring

\* Performs other duties as assigned

**Knowledge, Skills & Abilities:**

\* Demonstrates good knowledge of software development lifecycle processes

\* Demonstrates good proficiency in one or more programming languages (C, C++, Java, etc.)

\* Demonstrates good knowledge and proficiency in real time operating systems (RTOS) concepts and fundamentals or similar sub-discipline (network applications, network protocols, etc.)

\* Demonstrates good proficiency in software development tools (compilers, debuggers, issue trackers, revision control, configuration management (CM))

\* Demonstrates good proficiency in unit testing/validation

\* Demonstrates good knowledge of commonly used concepts, practices, and procedures within the software engineering field

\* Applies principles of logical thinking to define problems, collect data, establish facts, and draw valid conclusions

\* Demonstrates good proficiency in MS Office (Word, Excel, PowerPoint, etc.) & Internet applications

\* Demonstrates good organization skills and attention to detail

\* Works on multiple tasks simultaneously with regular interruptions

\* Works professionally using courtesy and tact with a wide variety of individuals in person, via telephone, and in writing

\* Completes tasks accurately and on-time

\* Follows and applies specific rules and regulations, and relies on instructions and pre-established guidelines to perform the functions of the job

\* Proactively acknowledges when there is a problem

\* Actively looks for ways to help colleagues

\* Works under some direct supervision of higher-level engineer and/or manager

The knowledge, skills and abilities listed above are typically acquired through the levels of education and experience listed. However, an equivalent combination and/or experience, which provide an applicant with the listed knowledge, skills and abilities to perform the essential duties and responsibilities of the job, may be acceptable.

**Education & Experience:**

\* BS in computer engineering, software engineering, electrical engineering, computer science, math, or physics required

\* 3+ years of professional related experience with optionally 1+ years of technical and/or project lead experience

Job Type: Full-time

**Must be eligible for a United States Security Clearance.**

**Contact: Recruiting@TES-i.com**