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Job Description

DEPARTMENT: *Software Engineering*
TITLE: *Senior Software Engineer*
POSITION TYPE: *Full-time, Salary, Exempt*
REPORTS TO: *Director of Engineering*
SALARY RANGE: *Commensurate with experience*

ABOUT OUR COMPANY

Diversified Technical Systems, Inc. (DTS) is a dynamic company started in 1990 by 3 engineers who enjoy working in the crash-testing field. We design and manufacture measurement products for automotive, aerospace, and amusement industries, with a focus on quantifying occupant accelerations and forces during usual and unusual operating scenarios. We distinguish ourselves from our competitors by offering technically superior products and outstanding service. DTS excels in a niche field, preferred over others in the USA and growing as we gain worldwide market share.

Job Function:

A Software Engineer who will be a contributing member to the success of the team responsible for the software development for the DTS Product line. This position may require occasional travel.

Duties & Responsibilities:

- Project leader in software development process to architect, design and implement application software to support DTS products
- Maintain existing application software and custom software solutions
- Write specification documents, design documents, test plans, and progress reports
- Perform software testing and verification
- Work with technicians, engineering and consultant staff as needed
- Provide support to DTS Technical Support Staff and Customers
- Participate in design reviews, software process development activities

Required Knowledge and Skills:

- Advanced knowledge of modern software programming languages and troubleshooting skills with attention to detail
- Application programming experience in C#, C, C++, Win32, TCP/IP, multi-threaded applications and COM
- Experience with Test Systems, Data acquisition, USB, device drivers, NUnit, XML and EE concepts are desired
- Project leadership experience and capability
- Must have strong organizational skills and the ability to interact with engineering and other technical staff
- Possess the skills to effectively communicate with customers
- Excellent problem solving and decision making skills

Education and Experience:

- Minimum BSCS, BSCE, or BSEE with 7-10 years of software development experience.