JOB DESCRIPTION

POSITION: **Sr. Software Design Engineer**

AUTHORIZED BY: M. Patel   **DATE:** **4/17/17**

PRIMARY FUNCTION:

Contribute to the design and development of test equipment for the Aerospace Industry based on customer requirements and industry trends. Create product designs and work with cross functional teams to complete the new product development process and produce robust functional products. Participate in continuous product improvement, standardization, and cost reduction activities.

Researches, designs, and implements computer software as defined by internal and external customers. Specific desired skill sets include, but are not limited to: C++, C#, VB, Java, VB.NET, Windows, Ethernet, build process, object oriented design, API interface documentation, client/server applications, graphical user interface (GUI) design, and a variety of 3rd party software tools.

Responsibilities:

- Design and develop the best cost/performance product that meets or exceeds customer requirements. May work alone or with guidance from more senior engineers.
- Analyze and devise alternate solutions to a problem and propose best resolution
- Support significant design decisions by calculations, simulation, and prototyping. Critical specifications must have documented analysis demonstrating design capability.
- Participate in design review meetings
- Develop test solutions based on sound engineering practices and industry standards
- Work within the guidelines of the Avtron Aerospace design guidelines and Product Development Process
- Assist with creation of equipment acceptance test procedure, assembly, test, and troubleshooting phases as necessary

- Create (or assist in the creation of) technical documentation (such as User Manuals) that effectively convey the required information to the end user
- Coordinate as necessary with other disciplines within engineering, and other groups (manufacturing, sales, service, etc…) to be sure all aspects of your design proceed smoothly
- Provide technical guidance to less experienced engineers, technicians and co-ops.

Education/Experience:

- Bachelor in Computer Engineering(BSCE), Computer Science Engineering(BSCSE) or Bachelor in Electrical Engineering (BSEE) with relevant software experience.
- 5 or more years of software design experience.
- Strong technical skills
- Understanding of software design and architecture
- Ability to learn relevant industry standards
- Proficient in Microsoft Office, Outlook, Word, Excel and PowerPoint

Other:

- Goal oriented self-starter with strong work ethic
- Professional presence
- Innovative, creative problem solving capabilities
- Team player able to operative effectively in cross functional teams and groups
- Excellent communication (verbal and written) and interpersonal skills with all organizational levels
- Must be able to multi-task and prioritize assignments quickly
- Must be flexible and work well with others in a fast-paced team environment
- Must be detail-oriented
- Ability to accomplish goals with minimal supervision
- Willing to travel 20%

The above details describe the principle duties of an employee in this position, but are not to be construed as setting forth all the specific duties inherent in this job. Any employee is expected to perform other related duties when requested by their supervisor.

An employee is expected to observe and follow at all times the stated policies and operating procedures of the Company and to observe and follow all rules and practices of safety.

EOE – Equal Opportunity Employer. People of color, women, veterans and individuals with disabilities are encouraged to apply. (Compliant with the new VEVRAA and Section 503 rules)