MILLENNIUM INTERNATIONAL AVIONICS

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Aviation Display Software Engineer

SUMMARY

A Senior Software Engineer has the primary responsibility of performing all software related tasks supporting development of new avionic display interface solutions. A typical test platform may require work in some or all of the following areas: Labview, FPGA HDL (Microsemi/Intel/Xilinx), Microsoft Windows interface (C, C++), and embedded systems development (ARM Cortex M0+/M4). The software engineer must understand the entire scope and purpose of said test solution and will be involved in the entire life cycle of a product.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Core duties and responsibilities include the following. Other duties may be assigned.
- Instrumental in developing interface methodology for highly complicated avionics displays, to include but not limited to user interface, hardware drivers, data analysis tools, and firmware.
- Participate in product planning activities including feature analysis and system tradeoffs.
- Create embedded systems firmware based on input from a schematic, Microcontroller datasheet,and component datasheets.
- Create interface for new products.
- Aid in the development and maintenance of a generic test framework to be used with current and future designs.
- Build installation procedures, setup, and deployment programs for use in-house and by external customers.
- Manage a software project, source files, and related files using sound software management skills.
- Develop applications that support the product for field firmware upgrades, calibration, and other ancillary use.
- The software engineer must provide project analysis and time estimates to engineering management.
- Perform additional duties as assigned by the engineering director.

⇒ We offer Medical, Dental, Vison, & Life Insurance as well as a 401k Plan

⇒ Great low-key environment, flexible hours, great small business environment. Healthcare plan, company bonus system.

⇒ Salary based upon experience, Ranges $72K to $115K