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Embedded Firmware Engineer

Audio Authority is a Lexington, KY based electronic design and manufacturing firm specializing in the creation of innovative electronic devices. As a result of continued growth, we are currently in search of an Embedded Firmware Engineer to complement our current team.

Primary Duties:

- Integrate with the engineering team to support ongoing work.
- Design, troubleshoot, and debug embedded firmware for IoT-enabled devices.
- Develop and implement inter-device communication protocols (UART, I2C, I2S, SPI, etc.).
- Develop and implement firmware testing procedures and production programming processes.
- Aid in the design, simulation, testing, and documentation of new product designs.
- Estimate development costs and timelines.
- Support market introduction of new products including tech. support and customer interactions.

Desired Qualifications

- Bachelor of Science Degree in Electrical, Computer Science/Engineering, or equivalent experience.
- Five years of proven hands-on practical experience in embedded C and C++ for ARM Cortex-M, AVR, and/or PIC microcontrollers.
- Current proficiency in IAR Embedded Workbench or similar firmware development package.
- Experience with embedded hardware i.e., microcontrollers, DSPs, Sensors, GPIO, Ethernet/serial transceivers, and wireless technologies.
- Familiar with lab instruments, oscilloscopes, logic analyzers, etc.
- Familiarity with FPGA devices.
- Effective communicator in both spoken and written technical subject matter.
- Previous experience in developing and integrating sensors, controls and switching devices with actuators and audio/video playing and distribution devices and systems.
- Experience in writing specifications, generating design concepts, prototyping, troubleshooting, documentation, and manufacturing processes.

Strongly Preferred Qualifications

- Prior design experience with IOT devices and systems.
- Prior experience with software development (C, C++, C#, Java, Javascript, Python, etc.)
- Familiarity with programmable logic controllers

Salary is commensurate with experience and knowledge. We are an equal opportunity employer with excellent benefits and working conditions. To apply electronically, please visit https://www.audioauthority.com/page/employment_opportunities