



2048 Mercer Road Lexington, Kentucky 40511-1071 USA • 859-233-4599 • www.audioauthority.com

Date: September 1, 2019

Re: Software Engineer

At Audio Authority, we use our expertise in electronic design and manufacturing to create innovative products that solve problems and improve the lives of our customers, associates, and business partners. The size and culture of our company makes it a great place to grow professionally in a healthy environment that values the dignity of work. As a result of continued growth, we are currently conducting a search to identify a Software Engineer to join our team.

Position/Title: Software Engineer
Reports To: Engineering Manager
Work Area: Office and Factory – Product Development Team
Schedule: Monday - Friday, 8:30am to 5:00pm or as needed

Summary: Expected to support the advancement of company goals and objectives with the obligation to report any obstacles or inability to accomplish job duties. Accountable for duties and responsibilities defined below as well as influence and impact on co-workers and the protection and proper utilization of company assets.

Duties and Responsibilities

- Integrate and collaborate with the engineering team to support ongoing product development and take initiative on new product designs that address and grow market opportunities
- Authoring and revision/improvement of software and embedded product firmware
- Learn new programming languages, software tools, development environments as needed
- Software test & debug during prototype development & final product validation
- Consult with sales team on specific customer requirements
- Participate in weekly project status review meetings
- Create test firmware/software in support of production testing
- Write product specifications, test documentation, review user manuals
- Other tasks as assigned by the Engineering Manager

Required Qualifications

- Bachelor of Science in Computer Engineering, Computer Science, Electrical Engineering (or equivalent experience).
- Experienced in C, C++ embedded firmware development, IAR and Atmel Studios toolchains, ARM microcontrollers, DSPs, sensors, GPIO, Ethernet/serial transceivers, and wireless technologies
- Experienced in Front-End web development (Back-End experience a plus), client-side scripting, real-time graphical data manipulation, Javascript/HTML/CSS, RESTful APIs/AJAX/JSON, Node.js tools - Browserify/webpack/etc., Mobile development frameworks - React/Ionic/JQuery Mobile, Database manipulation - SQL, MongoDB
- Ability to read and understand electronic schematics, component datasheets, and other technical references
- Proven ability to collaborate, integrating others' work with your own to achieve project objectives
- Effective, professional communication, including ability to write/edit technical documentation
- Willingness to adapt and innovate, learn new tools and strategies to achieve the objective at hand

Other Relevant/Desirable Qualifications

- Experience with design and troubleshooting of analog and digital electronic circuits
- Electrical hardware analysis using lab instruments (oscilloscopes, logic analyzers, etc.)
- Familiarity with printed circuit assembly manufacturing processes
- Experience with schematic capture and PCB layout software e.g., Altium Designer
- Knowledge of and enthusiasm for high-resolution audio and video products

Salary is commensurate with experience and knowledge. We are an equal opportunity employer with excellent benefits and working conditions. Please forward resume to:

Everett Jacobson, Engineering Manager
jacobson@audioauthority.com