



2048 Mercer Road Lexington, Kentucky 40511-1071 USA • 859-233-4599 [www.audioauthority.com](http://www.audioauthority.com)

## **Sr. Embedded Design 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 Design Engineer to join our engineering team in supporting ongoing work and new product development.

### **Primary Duties**

- Design and develop Internet Of Things (IOT) control, monitoring, switching, power and audio/video devices.
- Develop and oversee test procedures and production programming.
- Analyze, troubleshoot, and improve existing hardware and firmware.
- Design, develop and maintain embedded firmware (C, C++)
- Support market introduction of new products (tech. support and customer interaction).
- Specify electronic components and identify suitable alternative components.
- Estimate development costs and timeline for new projects.
- Create/maintain product documentation including BOMs, assembly drawings, test instructions.
- Develop, debug, and edit firmware and software

### **Desired Qualifications**

- Bachelor of Science Degree in Computer or Electrical Engineering, or equivalent experience.
- Five years of proven hands-on practical experience designing analog and digital circuits.
- Experience with embedded hardware i.e., microcontrollers, DSPs, Sensors, GPIO, Ethernet/serial transceivers, and wireless technologies.
- Familiarity with PCB layout best practice, Gerber files, IPC standards, PCB fabrication, and final assembly.
- Current proficiency with Altium Designer (preferred) or another PCB layout package.
- Familiar with lab instruments, oscilloscopes, logic analyzers, etc.
- Ability to integrate others' work with your own work and mentor less experienced associates.
- Experience in writing specifications, generating design concepts, prototyping, troubleshooting, documentation, and electrical manufacturing processes.
- Ability to communicate effectively and author/edit technical documentation.
- Proven track record of developing complete products/systems, not just components of those products/systems.
- Familiarity with FPGA devices
- Familiarity with network infrastructure and security

### **Strongly Preferred Qualifications**

- Experience creating and revising schematics
- Experience with wireless communication protocols
- Software development experience (C, C++, C#, JavaScript, Python)

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](https://www.audioauthority.com/page/employment_opportunities)