Electrical Engineer

Location: Dallas-Fort Worth, Texas, USA
Position: Contract - Full Time

About Flock Audio:

Flock Audio Inc. is a dynamic and innovative company specializing in high-quality, audio hardware solutions for professionals in the music, broadcast, and entertainment industries. Known for our commitment to precision, quality, and cutting-edge technology, we aim to push the boundaries of audio engineering and deliver unparalleled experiences for our clients.

Job Summary:

Flock Audio is seeking an experienced Electrical Engineer on a contract basis to support the design, development, and optimization of our advanced audio hardware products. The ideal candidate will bring a strong background in electrical engineering, preferably in audio or related industries, with the ability to work independently on various projects, troubleshoot complex issues, and contribute to product development from concept through to production.

Key Responsibilities:

- Design & Development: Assist in the design, simulation, and testing of analog and digital circuits for high-performance audio applications.
- PCB Layout & Design: Develop PCB layouts, including multi-layer boards, and ensure they meet industry standards.
- Component Selection: Research and select appropriate components that meet performance, reliability, and cost criteria for audio equipment.
- Prototyping & Testing: Create and test prototypes, analyze test results, and make design adjustments as needed.
- Compliance & Safety: Ensure that designs comply with relevant safety, performance, and regulatory standards.
- Documentation: Prepare and maintain design documentation, including schematics, layout files, and design review materials.
- Collaboration: Work closely with our product development and software engineering teams to integrate hardware and software elements seamlessly.

Qualifications:

- Bachelor's or Master's degree in Electrical Engineering or a related field.
- Minimum of 5 years of experience in electrical engineering, with a focus on audio hardware preferred.
- Strong knowledge of analog and digital circuit design, particularly in low-noise audio applications.
- Proficiency in PCB design software such as Altium Designer, Eagle, or similar.
- Familiarity with audio industry standards and best practices.
- Ability to work independently and effectively in a fast-paced environment.
- Excellent problem-solving skills, attention to detail, and organizational abilities.
- Strong verbal and written communication skills.

Preferred Skills:

- Experience in EMI/EMC testing and troubleshooting.
- Knowledge of audio signal processing.
- CAD/Solidworks Design & 3D Printing
- Experience with embedded systems and microcontrollers.
- Familiarity with DSP-based design.

To Apply:

Please submit your resume, detailing relevant experience, and a brief cover letter to careers@flockaudio.com