

Position Title: Senior Embedded Software Engineer
Reports to: Vice President of Engineering



Position Overview:

Lab X Technologies, LLC is a leading engineering design partner specializing in audio/video systems for the professional, commercial, and residential Audio/Video markets. This position reports to the Vice President of Engineering and will play a significant role in the continued growth of the company as an industry engineering leader. The position will require close interaction with clients (marketing and design personnel) and other Lab X design team members.

The primary purpose of this position is to develop embedded application software/firmware for our client's high performance audio/video network connectivity, digital signal processing (DSP), and embedded Ethernet networked audio/video products.

Essential Job Functions:

- Software / Firmware
 - Strong C/C++ skills, advanced C++ usage in embedded systems
 - Strong Object Oriented Design skills
 - Development of conceptual embedded software system architectures
 - Firm knowledge of networking (tracking packets up to application level interfaces)
 - Proficiency with Linux tools
 - Experience with embedded Linux
 - Participate in the design, plan, and implement software used in embedded systems
 - Identify and elicit requirements from client and tracks those requirements are being addressed throughout the software design.
 - Represent needs and concerns of software engineering in the hardware design.
 - Code management (handling of code releases, version control)
- Overall Design
 - Development of Lab X Intellectual Property (IP) for emerging AVB (Audio Video Bridging) standards on microcontroller platforms
 - Contribute product concepts for internal and client development
 - Work closely with client development and/or marketing teams
 - Translate client requirements into product specifications
 - Develop conceptual system designs

NOTE: This job description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the ongoing needs of the organization.

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Requirements:

- Bachelor's degree in Computer Science or Computer Engineering (Associate degrees with extensive experience may also be considered)
- 7+ years experience in embedded software/firmware

Other Skills / Abilities:

- High energy to work in a fast paced culture
- Detail oriented
- Results oriented with the ability to be self directed
- Proficiency with MS Office tools (Word, Excel, PowerPoint, Visio)

Desirable Additional Skills:

- Personal interest / experience in audio (musician, live sound, recording, etc.)

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