



## **Job Description**

**Position Title:** Senior Electrical Engineer  
**Report To:** Director Electrical Engineering  
**Department:** Engineering  
**Location:** Mountain View, CA  
**FLSA:** Exempt  
**Date:** June 2024

**APPLY**

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We are changing the standard of care for millions of untreated sufferers of ENT conditions. We improve patient access to life-changing relief through safe, practical, and effective innovation that changes how and where patients are served. Aerin differentiates itself with our commitment to providing straightforward and clinically proven products so that ENTs and their patients can make treatment decisions together without limits.

At Aerin Medical our values show up as: always seeking the collective good, holding ourselves and each other accountable, showing respect with compassion, creation and innovation and being all in.

As Senior Electrical Engineer at Aerin Medical, you will be an essential part of our mission-driven team, dedicated to transforming the lives of those with untreated ENT conditions. Your role will involve contributing directly to our commitment to innovation and improved patient care.

### **Description**

Senior Electrical Engineer is responsible for electrical design and product development related activities including management of small R&D team and outside contractors.

### **MAJOR DUTIES AND RESPONSIBILITIES:**

- Electrical Design and Development of medical devices through all phases of the project such as defining requirements, designing electronic circuits, testing circuits and systems, and verification/validation activities.
- Create Design Input/output documents according to internal Design Control SOPs and IEC 60601-1 standard.
- Collaborate with cross-functional teams of engineers, project managers, and operations to support the development and testing of new technologies, products, and systems.
- Lead cross-functional teams, including Software Engineers on Console development related projects.
- Support current products through failure analysis of returned product to identify the root cause, enhancements/improvements where needed and finding alternate component due to obsolescence as appropriate.
- Manage outside contractors, partners and suppliers.

**EDUCATION REQUIREMENTS:**

- Bachelor's degree in Electrical/Electronic engineering or equivalent technical training in electrical engineering.

**EXPERIENCE REQUIREMENTS:**

- Minimum 3+ years of Electrical/Software R&D experience in medical devices or similar highly regulated industry is required.
- Proven experience in embedded design, microprocessor/microcontroller-based circuits is required.
- Proficient in Electrical CAD Software (PCB Capture and Layout).
- Experience in both Digital and Analog circuit design and serial communication protocols such SPI, I2C, RS232 and UART.
- Experience designing Electrosurgical Generators or embedded C/C++ programming experience is a plus but not required.
- Demonstrated ability to work well with others in a proactive and constructive manner.
- Execute/manage IEC 60601 compliance testing and documentation.
- Experience in technical project management—developing, documenting, and executing work streams in support of multiple concurrent projects.
- Ability to work collaboratively in cross-functional teams and communicate effectively with technical and non-technical stakeholders.
- Strong problem-solving skills and the ability to think creatively to overcome technical challenges.