

## Senior Embedded Software Engineer

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Company: Bose

Location: United Kingdom

Category: computer-and-mathematical

You know the moment. It's the first notes of that song you love, the intro to your favorite movie, or simply the sound of someone you love saying "hello." It's in these moments that sound matters most.

At Bose, we believe sound is the most powerful force on earth. We've dedicated ourselves to improving it for nearly 60 years. And we're passionate down to our bones about making whatever you're listening to a little more magical.

The engineering team at Bose is a thriving, passionate, deeply skilled team of professionals from a broad range of disciplines and experiences, who share a common goal—to create products that provide transformative sound experiences.

### **Job Description**

#### **Senior Embedded Software Engineer**

#### **Smart Wearable Audio product development**

### **Job Description**

At Bose, we engineer high quality products that astonish. We do it by obsessing over the details that make amazing user experiences and high-performance technologies. If you are a Senior Embedded Software Engineer with a passion for audio and wearable devices, we want you to join our Consumer Electronics Software Engineering Team.

As an Senior Embedded Software Engineer at Bose, you will be developing software to bring our next generation of wearables to life, including Bose's industry leading Bluetooth noise cancelling headphones, our new line of Audio Sunglasses, and other innovative wearable form factors. You will work collaboratively with a group of world class engineers and user

interface designers to engineer our next generation software architecture and deliver astonishing new wearable products to market.

**Key Responsibilities:**

Design, implement and deploy embedded software for new products that include technologies like Bluetooth, Active Noise Reduction and mobile app interfaces

Design modular software that is maintainable, scalable and reusable across Bose's product line

Analyze complex technical problems and propose design of comprehensive solutions

Contribute to all phases of the product software lifecycle, including requirements analysis, design, implementation, automated test, release, support, and documentation

Enhance processes and devops to improve quality and increase efficiency by focusing on continuous improvement

**Requirements:**

Experience with C in an embedded environment

Experience implementing complex embedded software in a resource limited RTOS based system

Has delivered firmware for at least one product successfully launched into mass production

Experience with common protocols such as I2C, I2S or SPI

Experience bringing up and debugging hardware using logic analyzers, oscilloscopes, etc.

Experience with Bluetooth and BLE. Familiarity with other wireless communication protocols is a plus

Strong troubleshooting and root cause analysis skills

Demonstrated ability to work on teams. A strong desire to learn from and help others

Strong spoken and written communication skills

**Education:**

**Location:**

Ability and willingness to be in Cambridge around 3 days a week

Our goal is to create an atmosphere where every candidate feels supported and empowered in the interviewing process. Diversity and inclusion are integral to our success, and we believe that providing reasonable accommodation is not only a legal obligation but also a fundamental aspect of our commitment to being an employer of choice. We recognize that individuals may have different needs and requirements based on their abilities, and we provide reasonable accommodations to ensure ideal conditions are met during the application process.

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