



## **SENIOR SOFTWARE ENGINEER OR SOFTWARE ENGINEER**

PhotoniCare is a fast-growing VC funded MedTech company with a mission to improve health outcomes using cutting edge technology. We have developed the first FDA-cleared OCT-based imaging system, OtoSight Middle Ear Scope, for assisting diagnosis of ear infections, a condition that affects 80% of children. The company operates with a philosophy of providing a fun, exciting and collaborative work environment for all team members. PhotoniCare also makes dedicated efforts towards professional and personal growth of all its team.

We are looking for a software engineer to join our team and lead the efforts related to development of OtoSight Middle Ear Scope software that interfaces different hardware peripherals, performs high-speed signal/image processing, extracts information using machine learning and provides a user-friendly interface for the medical setting.

### **Job Function**

- Maintaining all stacks of OtoSight Middle Ear Scope software with help of external and internal technical team.
- QML based user interface.
- Hardware control and interface in the Linux environment on a single board computer. Hardware elements including high-speed cameras, displays, general purpose input/output, wi-fi and others.
- Signal and Image processing algorithm implementation in C++.
- Interfacing with the external software consultants.
- Interfacing with the internal manufacturing team.
- Maintaining appropriate requirements, design, verification and validation documentation as required by FDA and ISO 13485 standards.

### **Qualifications**

- Excellent coding and programming skills, and strong problem-solving capability.
- Strong background in C++ programming.
- Experience with Linux operating system and application development on ARM-based single board computers.
- Preferred experience developing applications using QT.
- Preferred experience with Medical Device software development and related processes.
- Preferred experience with JavaScript.
- Expected to be a good team player, with positive outlook and collaborative nature.

### **Growth Potential**

- The position falls under the technical growth ladder. The candidate demonstrating appropriate performance and skills shall proceed as follows with increasing level of responsibility.
- Software Engineer - Senior Software Engineer - Senior Software Engineer II - Manager/Principal Engineer
- Each promotion step is expected in a period of 12-18 months on demonstration of commensurate performance.

**Contact: [forward@photoni.care](mailto:forward@photoni.care)**