**JOB SUMMARY**

**Software Engineer**

**Summary:**

The candidate will be part of AWAK R&D organization in Bangalore location, reporting to the Site leader and the Global R&D Director. The candidate will contribute towards Embedded Software (Medical) Development for AWAK Products.

**Duties and Responsibilities – Other duties may be assigned:**

* Develop Embedded software in C, C++ for 32-bit microcontrollers
* Develop and change-manage various levels of software requirements for medical devices (System and Module level)
* Work with stakeholders to identify and assess product risks (frequency, certainty, severity, and mitigations). Must have the ability to think clearly to root causes and make logical decisions. Should have the ability to recommend, convince, and implement the most pragmatic solutions.
* Evaluation and select system hardware and software architectures, designs, and parts. Ensure that they support all clinical/functional, operational, & financial requirements as well as overall product quality. Make definite recommendations and decisions via trade-off analyses.
* Involve in all aspects of software development cycle for medical devices in accordance with IEC62304
* When assigned, define architecture of the software, involve in risk assessment and failure mode analysis, develop code, review test plans and V&V results.
* Working knowledge of PCBA design, reading EE Schematics, understanding 3D product models and work with the hardware engineering team
* Working with internal and external partners including marketing & product management, systems engineering, project management, hardware engineering, supply chain, manufacturing, QA/RA, V&V teams
* Drafting requirements for external suppliers as needed

**Education and Experience:**

* Bachelors/Masters in Software or Electronics Engineering or related discipline
* Must have experience in launching 1-2 products from concept to commercialization
* Preferable: Medical Device software experience
* Extremely hands-on in rigging up systems to make the software run/test the software
* Preferable: Experience in GUI design (QT)
* Experience with Board bring up (Boot Loaders & Driver SW)
* Preferable: Experience with Operating Systems (Linux, Ubuntu)
* Develop and test driver SW (Nand Flash, SPI, I2C, UART, USB, Bluetooth Low Energy )
* Familiar with working with Firmware tools such as Oscilloscopes, Logic Analyzers etc.
* Very good in algorithm development/understanding
* Understanding of basic physics of fluid simulation (flow, pressure, resistance)

**Soft Skills:**

* Effective communicate skills
* Proactive attitude with a strong passion for product commercialization.
* Team Player, Strategic with go-getter attitude
* Responsible and able to work under pressure
* Ability to negotiate and sustain networking relationships
* Strong interpersonal, motivating and influencing skills for interacting with team members, business partners, suppliers and management.