FIRMWARE VERIFICATION ENGINEER

Salvia BioElectronics, High Tech Campus 41, Eindhoven, The Netherlands

ABOUT US

Salvia is an innovative and ambitious start-up company active in the emerging field of "BioElectronics" that is inspired by biology and electronics to provide novel therapeutic solutions. The name Salvia is derived from the Latin word salvere, which means "to stay healthy". We are driven to deliver bioelectronic solutions that restore health for people suffering from severe neurologic disorders; our ambition is to make these therapies widely accessible. The Salvia team consists of entrepreneurs, engineers and scientists with diverse professional backgrounds and extensive medical device industry experience (Sapiens, Medtronic, Philips, St Jude, etc.).

WHAT ARE BIOELECTRONICS?

The human body is controlled by patterns of electrical impulses transmitted through nerve fibers. In chronic disease, these patterns are different. Bioelectronics are tiny implantable devices that use mild electrical pulses to influence nerve activity. Electrical stimulation is nothing new - cardiac pacemakers have been used for decades - but scientists are just beginning to realize the possibilities of regulating nerve signals to treat disease.

THE CHALLENGE

We offer a challenging position for a Firmware Engineer with opportunities to grow with the organization. Working together with the Salvia development team and our external technology partners, you are working on the development, testing and verification of the firmware that is at the heart of our highly innovative active implantable medical device system, consisting of implantable and wearables devices. Closely collaborating with Salvia's test and usability engineers you take ownership and have a pragmatic approach towards the realization of our advanced medical devices. You enjoy working in a multi-disciplinary start-up environment and have a can-do attitude. You realize that quality is of paramount importance and you are passionate about delivering solutions that truly stand out.

RESPONSIBILITIES

- Develop high-quality software and documentation according to medical device regulations (IEC 62304).
- Testing embedded software on target hardware (unit testing, functional testing, regression testing, integration testing).

YOUR PROFILE

- Pragmatic team player with excellent C and/or C++ coding abilities and embedded software verification skills.
- MSc or BSc degree in computer science, embedded systems or similar.
- Ability to read schematics and use an oscilloscope.
- Fundamental knowledge of low-level firmware is preferred.
- Knowledge of debugging systems at ARM assembly code level is preferred.

CONTACT

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