

FIRMWARE ARCHITECT

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 design and development 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).
- Embedded software architecture design, and integral oversight and multi-disciplinary alignment to ensure the developed product is fit for purpose and meets all underlying quality requirements.

YOUR PROFILE

- Experienced in the development of software for medical devices (ISO62304)
- Pragmatic team player with excellent technical, communication and coordination skills.
- MSc or BSc degree in computer science, embedded systems or similar.
- Proven C and/or C++ coding abilities.
- Fundamental knowledge of low-level firmware.
- Ability to read schematics is preferred.

CONTACT

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