

MEDTECH SYSTEM 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 are looking for a bright and driven system architect to join our team. Your challenge is to develop our bioelectronic system, consisting of implantable medical devices, wearables and therapy-apps. You take the overall technical leadership by (i) defining system architecture and decomposition, (ii) driving our technology selection and development, and (iii) deciding on design trade-offs. Working closely with Product Owner and Product Development Director, you will see through that the system gets defined, realized and tested – from early prototypes through the final stages of product design, verification and validation. You closely interact with suppliers and external partners to eliminate technology risks and to manage system interfaces. You maintain a big-picture technology overview and oversee multiple technical disciplines, but you also dive into details when needed and work hands-on. You realize that quality is of paramount importance and you are passionate about delivering solutions that truly stand out.

RESPONSIBILITIES

- Closely work with Product Owner to translate user- and business-needs into product solutions: function analysis, architecting, system decomposition, requirements, system integration and interface management
- Technical lead for the development of an advanced and innovative bioelectronic system
 - Manage system-level requirements and implementation to ensure products meet user needs
 - Drive risk-management process and ensure consistent implementation of risk-controls
 - Select solutions/technology and guide in trade-offs on technology, risk, and functionality
 - Drive system realization and integration from prototype through final product
 - Technical guidance and oversight on technology partners and suppliers
 - Liaise with technical specialists and dive deep into technology when needed
- Interface with QA, RA, and supply-chain/manufacturing to transfer product to market

YOUR PROFILE

- Outstanding technology and engineering skills
- Strong communicator; team player; solution-oriented; handles complexity
- Maintains system perspective, but able to operate both at high abstraction level as well as hands-on
- Substantial industry R&D experience; several years as technical leader in a multidisciplinary environment
- Experience in a regulated industry, e.g. medical, automotive or aerospace, is desired but not required

CONTACT

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