



Software Engineer

The company

VitalWear is an early-stage startup company based in Eindhoven, developing solutions based on integrated photonic sensing technology, integrated into textiles and clothing, for non-invasive medical applications. Our vision is to become a leading provider of medical grade wearable sensors that can safely, continuously, autonomously, and comfortably monitor relevant patient information. Our first application is aimed at the early detection and more effective prevention of pressure ulcers, a global healthcare problem which is growing due to the aging population.

VitalWear is currently recruiting for several roles to further build its technical team towards the development of its functional prototype and, subsequently, its Minimum Viable Product.

Your motivation

Are you seeking a challenge within a dynamic startup environment? Do you want to apply your skills to make a positive impact on society, by reducing the pain for patients and by supporting nurses in delivering a high quality of care? Do you aspire to be part of an ambitious team dedicated to pushing the boundaries of technology, poised to make a difference in non-invasive healthcare? Are you passionate about innovating and excited about taking responsibility for creating and delivering a solution that you can be truly proud of?

If so, then this opportunity is for you!

Role and responsibilities

As Software Engineer at VitalWear you will be a member of our Engineering team and you will be responsible for a variety of software-related tasks across the elements of the VitalWear solution, from the recording of the sensor data to the user interface. Together with your colleagues, you will also work on the design, development, and validation of algorithms for modelling of real-time signals collected by our hardware sensors.

In particular, you will be responsible for:

- Designing, implementing, and maintaining the software and models e.g. conventional, real-time-processing algorithms or artificial-intelligence-based models
- Integrating the system into larger networks, where information will be exchanged safely and reliably
- Contributing to continuous improvement based on test results or customer feedback



- Maintaining and extending the in-house code base with new functionalities and test frameworks
- Collaborating with external partners/suppliers to develop visualization frameworks and dashboards
- Generating documentation and reports

Cross-functional contributions:

- Generation of patents, reports and/or publications
- Expansion of laboratory infrastructure and capabilities, including automation
- Contributing to the implementation of a Quality Management System (documentation of designs, design and change control processes)
- Competence sharing among team-members

We are looking for a professional with

- A Master degree in Computer Science, Information Technology, Electrical Engineering or a similar discipline
- Good knowledge of available technologies and tools for software development
- Strong verbal/written communication skills in English
- Solid analytical skills
- Hands-on mentality
- An innovative, enthusiastic, driven, self-starter personality

Not required but will be considered as a plus:

- Relevant work experience in R&D, in healthcare and/or within a startup company
- Fluency in Dutch

We offer

- Opportunity for personal development and fast growth
- Opportunity to shape tomorrow's healthcare as part of a small team
- A warm, open, dynamic and friendly startup environment
- Possibility to benefit from the success of the company

Join us at VitalWear as we embark on our journey to transform healthcare through innovation and technology. Make your mark and contribute to a brighter, healthier tomorrow. Apply now to be a part of our pioneering team!

