

Do you want to create meaningful and innovative medical software?

Itomedical is a leading medical IT company with clinical software solutions for high care patients in hospitals within the BeNeLux. Since over 20 years, our own main solution is the MediScore application suite.

In view of increasing market demands, we like to expand our R&D team with a

(Lead) Software Engineer Medical Applications (32-40h)

A (Lead) Software Engineer at Itomedical designs and implements state-of-the-art medical software. The primary use environments are the Intensive Care Unit (ICU) and other critical care hospital departments. Our applications deliver information for clinical purposes, management, as well as scientific research.

As a member of the Research & Development (R&D) team, you work together with software development, software test, data analysis, and device specialists. R&D projects follow standards applicable to medical devices, based on Agile Scrum with sprints. Software design, code reviews, and testing are some of the essential elements for safe medical software. Other key ingredients are a team spirit with a drive for innovation.

Our main goal is to improve alarm safety in hospitals with MediScore MDDG. Therefore, we efficiently combine medical device alarms with other vital information, obtained through various communication protocols. Irrelevant alarms are filtered out and the remaining alarms are forwarded, to obtain a faster caregiver response to critical alarms. Moreover, device emulators demonstrate the performance under high load.

Other applications include data analysis software (MediScore Analytics), a hospital management information system (MediScore ICU), and a decision support system for medication (MediScore MIM). Together, all these applications may enhance each other.

Tools, technologies, languages

.NET (Core), SQL Server, C#, SQL, TCP/IP, JavaScript, html, .less/css, Blazor, Visual Studio, SQL Server Management Studio, MVC, UML, Jira, IIS, Subversion, Selenium, Wireshark, CruiseControl

Key tasks

- Object-oriented (OO) design, software development and software maintenance
- Find and implement generic as well as dynamic solutions
- Improve performance
- Contribute to automated/ unit tests

For us it's important that you

- Are able to work both independently and in multidisciplinary teams
- Have strong communication skills

Your profile

- Academic degree (PhD, Master, or equivalent) in computing science, information technology, physics, mathematics, bio-informatics, or a related technical field
- Microsoft .NET specialist
- Experience with algorithms and software design
- Familiar with SQL databases and queries
- Clinically minded
- Excellent command of English
- Not afraid of bit shifts, CRC, checksums, TCP/IP and such more
- Ambitions to grow toward the role of software architect

A plus

- Experience with medical devices
- PhD
- Command of Dutch
- Familiar with Wireshark, TCP/IP

We offer

- Market-based salary
- 25 vacation days (based on 40h/week) + vacation pay
- A permanent position for an excellent match
- A challenging job in a rapidly developing work domain
- Working within a team of enthusiastic and driven professionals
- A working environment with room for personal development
- Possibilities to partially work from home
- Pension insurance
- Laptop
- Travel compensation
- A bonus (thirteenth month) depending on company results

Applications can be sent to vacatures@itemedical.nl in English or in Dutch. Please do include your motivation letter as well as your CV. If you have any questions, please contact the office via [+31 344 66 39 30](tel:+31344663930) and ask for Michael.