

Full-Stack Software Developer

Medical Imaging Equipment

2/3 of the world population have still no access to medical imaging yet...

Do you have the passion, determination and enthusiasm for being part of the solution?

Do you have the unique combination of leadership and expertise required for this challenging position, including outstanding skills in medical products development, industrialization and quality management?

For its product development team, which designs and industrializes an extremely robust, cost-effective and digital medical X-ray system, Pristem is looking for highly motivated, proactive and talented software engineers.

Position Description

The Software Developer will combine strong **software delivery** capabilities with knowledge of recent architectures and deployment models (**Docker, Cloud, IoT, micro-services architectures**), agile methodologies and continuous delivery/**DevOps** processes to implement a comprehensive software solution in accordance with evolutive market needs and strict **quality and compliance/regulatory requirements**.

He/she will also **own the development and V&V of key medical imaging software components** including all modules/layers related to medical data management and the integration with 3rd party applications and systems (PACS/RIS/HIS/EMR) by relying on international standards for formats and protocols (IHE, DICOM, HL-7, etc.)

As a member of the software engineering team, the Full-Stack Software Developer will report directly to the CIO.

Main Tasks and Responsibilities

- Contribute to the definition, implementation and configuration of best-in-class software architectures, recommending the most appropriate approach to solve Pristem's challenges. Also evaluate and select the most relevant providers of 3rd party technical components and of Cloud/IoT services.
- Design and deliver full-stack software applications, from the GUI layer to the REST APIs and related business logic, integration layer and data modules. Implement components to be deployed on premises and/or in a Cloud/IoT environment.
- Participate to the implementation of a full DevOps-based environment for continuous integration and continuous delivery, with high automation from unit tests to full deployment.
- Contribute to the design and implementation of the company's software support model and directly participate to customer support.
- Participate to the integration, configuration and customization of Pristem's products and services at client sites.
- Collaborate very openly with colleagues from all other departments (electronics, mechanical, marketing, sales, operations, etc.) and be part of a culture of continuous improvement, – providing very high-quality work required by the extremely high reliability, security and safety of Pristem systems.
- Be excellent at what you do: provide serious work without taking yourself too seriously.

Required Skills and Qualification

Absolute must (please do not apply if you don't recognize yourself in these)

- At least 5 years of experience in software development and architectures with Java/JEE
- Profound **passion for software**: delivering well-designed software, automating testing and deployment, integrating existing components, learning and applying new technologies.

If your goal is to quickly become a team lead or project manager, then this job is not for you!

Required

- The right mindset to work in a growing startup: ownership & accountability, ready to go the extra mile, collaboration, customer focus and support. Able to produce outstanding quality and reliability required for our solutions to work durably in the most challenging contexts.
- Full-stack software development: Java / JEE, front-end (AngularJS, ReactJS, ...), back-end: REST WEB services & API management, Spring, database access and design. We don't mind if you don't know it all as long as you're happy (and fast) to learn!
- Perfectly at ease with Docker containers.
- DevOps experience (use and administration): Jenkins, Git, Nexus, plugins for Docker and Cloud deployments, etc.
- Tools:
 - o Version control (Git)
 - o Automated testing frameworks
 - o Requirements management and bug tracking (JIRA)
- Linux scripting

Recommended

- Master's Degree in Software Engineering
- Cloud development and integration (AWS or Azure) including cloud-native deployments.
- Understanding of cloud-based Internet Of Things (IoT) environments and technologies
- At ease in agile cross-functional teams and ability to interact with a wide variety of internal/external stakeholders

A plus

- Knowledge of medical imaging environments (PACS, RIS) and formats (DICOM)
- SCRUM experience
- Experience with Software Design for Reliability (SDFR)

IMPORTANT: we can only accept candidates from Switzerland and the EU.

Languages: French and English full proficiency (written and spoken).

We offer:

The ability to shape a best-in-class software environment from the beginning.
A multicultural, open-minded, highly dynamic and stimulating work environment in a flat hierarchy.
An opportunity to address a global health issue in a practical and effective manner.

Activity Rate: 100%

Duration: permanent contract

Start Date: as soon as possible

Work place: Pristem Switzerland in Lausanne.

How to apply: Send email applications including motivation letter, resume and work certificates/references to hr@pristem.com

More information: www.pristem.com