

Map of Medicine Job Description

Job title:	Senior Java Architect (Publishing Applications)
Department:	Innovation, Development, and Support (IDS)
Reports to:	Development and Support Manager
Update:	31 July, 2008

Job Dimensions and Justification

Map of Medicine Ltd is a highly successful business with a UK market leading position in the provision of actionable healthcare knowledge in the form of best practice clinical pathways. The Company is a wholly owned subsidiary of Hearst Corporation, reporting into Hearst Business Media operating group.

The role of the Senior Java Architect (Publishing Applications) is to lead the development of the software used to manage our clinical content. This content is edited by users in healthcare organisations around the world using software development and hosted by the Map of Medicine, following a rigorous workflow, and then published and distributed to multiple Map of Medicine platforms (clinical, mobile, patient) hosted by various organisations.

The Senior Architect leads the specification, design, development, and ongoing maintenance of this software including development teams in at least two locations. They will be hands-on and deeply involved at the code level with the content management applications, and should also provide leadership to other product architects for best practice in methodologies, tools, standards, etc.

The role will suit an experienced Java developer with a strong understanding of content management systems, data modelling, and XML. The candidate should be a hands-on developer familiar with Spring, Hibernate, and Cocoon among other things, and experience leading development using Agile development methodologies. Knowledge of JCR (Jack Rabbit, CRX) and/or healthcare IT would be a plus. The ability to communicate and work well with senior non-technical staff is essential.

Specific Duties

- Accountable for the specification and design of the content publication software.
- Work with product owners, internal customers, external customers and organisations (standards bodies, governmental authorities, clinical system vendors, etc.) to ensure requirements are well understood and clearly communicated.
- Collaborate with product owners, developers, experience architects, support and operations, QA, and other appropriate stakeholders in the design of solutions to fulfil those requirements, first at a high level and then in greater detail as development iterates
- Lead the development team in the creation of excellent software to meet the business requirements; following Agile practices to ensure effective, efficient, and high quality implementation
- Provide mentoring and leadership to technical architects and developers for other products, and ensure communication and work is coordinated across the various product development streams as well as support and infrastructure.
- Communicate technical issues and planning to non-technical management and explain how these meet the needs of the business.

Critical performance areas

- Plan the development of “R3”, our next generation publication platform
- Technical documentation and deliverables are accurate and are of an appropriate level of detail, and are kept up to date as a natural by-product of the development process

- Development stories are clearly specified to an appropriate level of detail with the input and agreement of all relevant stakeholders before going into development
- Development team members fully understand the needs of the business and customers, and are fully involved in the design of solutions
- Quality of software releases is excellent, there is a minimum of defects, re-work, and other wastes due to problems with specification, design, processes, and coding practices

Pre-requisites/Experience

- A degree (or equivalent) in Computer Science, Software Engineering, or related field or equivalent experience,
- Has been a developer on at least four different software projects, two or more development cycles on at least one of these, and has been lead developer, architect, or similar on at least two projects.
- A working understanding of agile development methodologies,
- High level competence with software design notation (UML, others) and ability to use these in conversations, workshops, and meetings with technical and non-technical people,
- A high level of competence with J2EE development and technologies, specifically Spring, Hibernate, Cocoon and XML; design patterns, application servers, and data modeling
- A high level of business awareness, comfortable presenting to non-technical management, ability to relate technical concepts to business needs and vice-versa,
- An understanding of content management systems, ideally a high level of expertise with the patterns, frameworks, technologies, in the content management domain. Knowledge of JCR/Jack Rabbit/CRX s a plus.
- Experience with Healthcare IT is a plus