



Design and development of Product Lifecycle Management System

Code	EN7506
Programme	FCT
Department	EN
Responsible	27779 - Mr. Jurgen De Jonghe

Title

Design and development of Product Lifecycle Management System

Description

The EN/ACE/EDM team provides CERN community with IT tools supporting engineering data lifecycle management, in particular EDMS (edms.cern.ch) which serves as a digital memory of the laboratory. It stores information about the design, manufacturing, testing and maintenance of various pieces of equipment installed in the LHC tunnel. It allows management of technical documentation in an accessible and highly flexible manner, at the same time ensuring that it remains available for the next generation of scientists.

The selected candidate will join the EDM team to work as a full-stack developer and will participate in projects related to Product Lifecycle Management. In particular the tasks will involve design and development of web interfaces, system maintenance and support and integrations via web services. The work may include as well the development of Proof Of Concept application(s) for the future PLM platform based on the off-the-shelf products. The technologies used include Java, JEE, GXT, Spring, .NET, HTML5, CSS, JavaScript, python, SQL and PL/SQL.

Skills

Databases: Oracle, PostgreSQL. Information Technologies: Building web applications (e.g. with jQuery, HTML5), Using software development tools (e.g. Git, Jira, Trac), Using web application frameworks (e.g. Django, GWT, APEX). Programming Languages: Java, Javascript, SQL, PL/SQL or similar

Master Degree or Bachelor in Computer Science or similar. Knowledge of software design and development, specifically in the domains of web development and relational databases. Good knowledge of Java and SQL programming languages, knowledge of web technologies (HTML5, CSS, JavaScript), familiarity with SCRUM methodology would be an advantage. Good level of English.

Disciplines

Information Technologies

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