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| Document ID: JD\_ | Job title: Software developer | Revision: 0.0 |

Job Description:

The software developer has **the responsibility to analyse requirements, develop and maintain software** (based on Java) for educational web applications, backend services (Play Framework, Spring, Scala, Golang) and communities for the Liferay DXP platform and Mobile Apps.

The software developer has **a key role in the conception, development and optimisation of our applications and software.**

*The list of tasks under each area of responsibility is representative but not exhaustive.*

**Responsibility field 1: Developing, adapting and updating software programmes**

**Main tasks:**

1. **Gather and analyse requirements**

Receive requests for improvements and/or participates in identifying the needs of users, teams and the organisation.

1. **Design software solutions**

In collaboration with other technical team members, participate in the analysis, development and maintenance of software solutions and services.

1. **Develop new and work on existing software solutions**

Collaborate with functional units and project teams to understand and design software solutions.

1. **Develop and maintain software solutions by participating in all development aspects**

Database (MySQL, PostgreSQL)

Business layer (Golang, Play Framework, Scala, Spring)

Front-end (Liferay portlet development and service integration, Mobile App)

**Responsibility field 2: Problem solving**

**Main tasks:**

1. **Support and Assistance**

Design and maintain unit test cases while providing support during end-user test plans. Provide support to end users for the software developed.

1. **Collaboration**

Actively exchanges information with teams and Functional units in order to listen to and/or analyses problems in the use of software; proposes solutions and assists in problem solving (e.g. helps developers).

**REQUIREMENTS**

**Technical skills**

* Mandatory
* Good mastery of Java SE and Java EE (version 11+)
* Good understanding of object-orientation (OO programming concepts, UML, design patterns)
* Good methodology skills (SVN, ANT/Maven/Gradle, Unit testing)
* Be able to work fluently in English
* Experience in developing and debugging production web applications with JSP
* Desirable
* Experience with HTML (5) / CSS / JavaScript / jQuery
* Experience with templating engines (ex: Velocity, FreeMarker)
* Experience with Portal technologies (JSR 168-JSR 286)
* Experience with Liferay 7 or higher
* Experience with MySQL and PostgreSQL
* Experience with XML and JSON technology
* Experience with REST concepts / Play framework / Golang / Scala

**Soft skills**

* Be both a team player and able to work autonomously
* Adaptability and flexibility
* Attention to detail
* Time management
* Proactivity

**Organisational Relationships**

Report to Technical Team Manager

Collaborate with other members in the Technical Team

Collaborate with Functional Units and Project Teams to gather requirements, ask questions, discuss solutions, and provide support for the developed software (services)