

## Technology Expert Up to 7 years of experience

### 1 CONTEXT

The European Commission, together with the national competition authorities, directly enforces EU competition rules to make EU markets work better to the benefit of consumers, businesses and the European economy as a whole. The Directorate-General for Competition (DG COMP) is primarily responsible for these direct enforcement powers.

Modern IT solutions are designed to support business processes with the overall goal of improving efficiency and efficacy.

DG COMP would like to benefit from external services in the context of the ABCDE programme.

### 2 DESCRIPTION OF REQUIRED SERVICES

#### 2.1 Profile

The required profile is that of a “**Technology Expert**” as specified under DIGIT TM.

#### 2.2 Knowledge and skills

- Deep knowledge in the domain of Java Enterprise technology;
- Good knowledge of analysis/modelling tools and techniques (use case diagram, state diagram, entity relationship model etc.);
- Capability to write clear and structured technical documents;
- Ability to participate in multi-lingual meetings, very good communication skills;
- Capability of working in an international/multicultural environment.

### **2.3 Specific expertise**

Required specific expertise:

- Analysis of requirements, drafting of analysis deliverables, UML modelling, and prototyping;
- Java technology and J2EE architectures;
- Java tools and frameworks: Spring, Spring MVC, Spring Security, Hibernate, IntelliJ or Eclipse;
- Database design and SQL;
- Service Oriented Architecture (SOA);
- Web services (WSDL, SOAP, REST, etc.).

### **2.4. Desirable expertise**

Expertise in the following domains would be an asset:

- HTML5, CSS and JavaScript;
- Front-end frameworks: Angular 2, JQuery, Bootstrap, Kendo or similar;
- JMS and queues.

### **2.4 Languages**

Working language is English. A very good command of the English language is mandatory.

### **2.5 Description of tasks**

- Provision of expert advice and assistance, technology watch, architectural considerations, applicable standards, solution patterns and best practices in database management systems, Java Enterprise technology, enterprise & web content management, XML, interoperability, etc.;
- Elaboration of functional and non-functional requirements and business case analysis related to the area of expertise;
- Assistance in the implementation of a software engineering methodology;
- Development and maintenance of software applications;

## **OTHER PRECISIONS**

The candidates must be eligible for obtaining a security clearance to handle European Union Classified Information up to the level of "SECRET UE", according to Commission Decision of 29 November 2001 (2001/844/EC, ECSC, Euratom) and Commission Decision of 3 February 2005 (2005/94/EC, Euratom) amending Decision 2001/844/EC, ECSC, Euratom. DG COMP reserves the right to ask that the procedures to obtain the security clearance start during the execution of the contract.