

JOB DESCRIPTION

Name of the Post: **First Officer within the ICT Architecture and Processes Unit - Enterprise Technical Architect (software and middleware architecture)**

Reporting to: **Head of the ICT Architecture and Processes Unit**

1. Purpose of the post

The selected candidate will work in a team of enterprise architects, each one relatively focused in the specific architecture domain area for which they are most competent, but all closely cooperating as a team under the direction of the Head of Unit.

2. Tasks and Responsibilities

The successful applicant will have to carry out the following main duties:

Within his or her domain of competence, and working as part of the Architecture team, the Technical Architect will be responsible for the following general tasks:

- Produce, maintain, update, disseminate, and expand the set of architecture baseline documentation;
- Take up technical assurance roles on IT development projects;
- Sponsor, drive, and support the delivery of technical solutions with architectural relevance;
- Be responsible for the product management of technical sub-systems of the integrated Europol computerized system;
- Monitor new promising technologies and analyse their applicability to Europol;
- Monitor and/or participate to selected EU, law enforcement, or other relevant forums, and sponsor adoption of interfaces and standards;

- Take up solution design roles in IT development projects as needed.

With relation to his or her specific area of competence, the Technical Architect will:

- Develop and maintain the baseline software architecture, including application software components, application server platforms, and middleware;
- Develop and maintain the architecture of the common technical software services, such as for example messaging infrastructure, database management systems, application integration services, audit logging and viewing, portal platforms, and web services;
- Identify and specify required middleware and other shared technical software components, providing guidance and review for their implementation and configuration, with as much detail as needed from time to time;
- Design, review, and contribute to the definition of test plans for stability, availability and performance of technical architecture components and application systems;
- Drive the evaluation and selection of the technical products that are required to implement the software and middleware architecture;
- Write and maintain technical standards for the organization;
- Assess business cases, project proposals, and project deliverables, to determine the impact on, and compliance with, the software and technical architecture, including sizing and capacity planning considerations.

3. Requirements

3.1 General requirements (Art. 24 of the Europol Staff Regulations)

The post holder should:

- **Be a national of one of the Member States of the European Union and enjoy full rights as a citizen;**
- **Have an excellent oral and written command of at least two official languages of the European Union, including English;**
- 10 years or more relevant IT experience, of which at least 5 in relevant Enterprise Architecture roles;
- University degree in Computer Science or equivalent academic qualifications in the area of Information Technology.

Work experience in a complex public sector environment, or at least in a highly regulated environment with an articulated governance model would be an advantage.

3.2 Specific skills and competencies required for the post:

The post holder should have:

a. Professional experience:

- Enterprise architecture experience
The ideal candidate has substantial experience in the processes and methods of an established enterprise architecture function, involved in architecture definition, specification, change management, and in providing architecture supervision and support to IT delivery projects. Experience was gained in a large organisation, preferably multi-national.
- Experience in standard architecture frameworks
The ideal candidate is knowledgeable of recognised enterprise architecture frameworks (such as the Zachman Architecture Framework or The Open Group Architecture Framework).
- General Architecture Modelling skills
The ideal candidate has developed relevant and outstanding skills in the conceptualisation, modelling, and visualisation of architecture models and designs, and can create multiple views of a single architecture model to fit different communication purposes meant for different audiences.

b. Professional knowledge:

The ideal candidate must have relevant knowledge and experience in the concepts, methods, techniques, and representative products in the following domain areas:

- Service Oriented Architectures
- Application server platforms, with emphasis on Microsoft .NET
- Microsoft Active Directory
- Relational database management systems
- Document and content management technologies
- Web architectures, including portal and web-based collaboration technologies
- Terminal servers and thin-client configurations

- Virtual server architectures
- E-mail, messaging and business process management technology, including message brokers and workflow tools
- Batch architectures
- Technology supporting the implementation of web services
- Identity and access management technologies, including web access control and user provisioning
- High-availability architectures
- Performance optimisation techniques and tools
- Technical testing methods and tools, including performance testing

Desirable:

Knowledge and experience in the following domains will be regarded as an asset:

- Token-based and smart-card based authentication infrastructure
- Microsoft SharePoint Server and Microsoft Biztalk Server
- IBM WebSphere
- Microsoft Solutions Framework

c. Technical skills and competencies:

Essential:

- Good PC skills with professional competence on the Microsoft Office product suite, including MS Word, MS Excel, MS PowerPoint, MS Visio and MS Project;
- Logical, structured and systematic thinking;
- Ability to express ideas in clear and concise language;
- Creative and analytical problem solving skills;
- Project management experience.

Desirable:

Knowledge of an Eastern EU language would be an asset.

d. Social skills and competencies:

Essential:

- A high sense of co-operation, team working, and flexibility;
- Team leading and general leadership skills and experience;
- Ability to organise, plan and implement work assignments, for own work and for team's work, manage competing demands and work under pressure of tight deadlines;
- Strong interpersonal skills and ability to establish and maintain effective working relations with co-workers in a multi-cultural and multi-national work environment.

4. Salary

Scale: 5

The basic salary is EUR 6.808,03.

(Tax deductions and social contributions within Europol amount to approximately 20-25%)

In addition, when relevant, family allowances can be granted:

- 5% of the basic salary – household allowance;
- EUR 289.03 (net) - per dependant child;
- EUR 942.53 (net) – expatriation allowance

Additional benefits (annual trip home, education allowance, rent and other allowances, excellent health insurance, etc.)

5. Additional Information

5.1 Main dates:

Deadline for application: 13.07.2009
Recruitment procedure: 30. & 31.07.2009
Starting date of employment: as soon as possible

5.2 Contact Details:

Should you have further questions on the details of the above position, or should you require any guidance on completing the application form please consult the EUROPOL RECRUITMENT GUIDELINES on www.europol.europa.eu or call +31 (0) 70 302 5298 or +31 (0) 70 353 1628.