

CALL FOR APPLICATIONS

IT SOFTWARE DEVELOPER Ref. n°: EMSA/AST/2011/01

The European Parliament and Council Regulation (EC) No 1406/2002¹ provides the legal basis for the establishment of the European Maritime Safety Agency (EMSA).

The goal of the Agency is to provide technical and scientific assistance to the European Commission and the Member States on matters relating to the proper implementation of European Union legislation on maritime safety and pollution by ships. To do this, one of EMSA's tasks is to improve cooperation between Member States in all key areas. This includes undertaking a range of actions related to design, construction and operation of all types of merchant and fishing vessels.

In April 2004 EMSA was also given additional tasks by the European Council and the European Parliament related to oil pollution response, ship security and training of seafarers.

The International Maritime Organization (IMO) has awarded the set up and operation of the Permanent Long Range Identification and Tracking International Data Exchange (LRIT IDE) to EMSA as from 2011. The IDE is the LRIT communication exchange platform between all Data Centres around the world.

EMSA invites you to send your application for the recruitment process of an IT Software Developer. The post will be attached to Department C 'Operations', Unit C.3. 'Satellite Based Monitoring Services – LRIT International Data Exchange Section'.

More information about the Agency and its structure and activities can be found on our website: <http://www.emsa.europa.eu>.

Functions and Duties:

The LRIT-IDE Section of Unit C.3 has the responsibility of operating and maintaining the International Data Exchange (IDE) module of the LRIT system. The IDE is the central node of the LRIT network and it is primarily responsible for the routing of the LRIT messages between data centres.

The IDE application has been implemented on the Java Enterprise Edition platform (J2EE) using Eclipse. The presentation layer is based on the Java Server Faces (JSF) technology and the business layer uses standard Java libraries to implement the data processing,

¹ OJ L 208, 5.8.2002, p.1, as amended by Regulation (EC) No 1644/2003 of the European Parliament and of the Council of 22 July 2003 (OJ L 245, 29.9.2003, p. 10) and Regulation (EC) No 724/2004 of the European Parliament and of the Council of 31 March 2004 (OJ L 129, 29.4.2004, p. 1).

journaling and communication functions. The Application Server is Apache Tomcat and the Operating System is Linux Red Hat. To ensure high availability the application runs in a cluster and it can failover to a Disaster Recovery site.

The communication with external systems is based on Web Services (SOAP/XML) and the authentication, confidentiality and integrity are ensured by the Secure Socket Layer (SSL) and Private Key Infrastructure (PKI).

The data layer is based on Oracle 11g and data persistence is achieved with the Hibernate framework.

The IT Software Developer will, under the responsibility of the Head of Unit C.3, be in charge of:

- Supporting the installation, configuration and maintenance of the IDE application;
- Developing and testing new functionalities of the application;
- Interface with and providing support to the external Contractors responsible for the maintenance and further development of the application;
- Analysing the deliverables (software artefacts and documentation) submitted by external Contractors and verifying the compliance with the requirements;
- Supporting the preparation and the execution of the system acceptance and routine system testing;
- Set up and configuring the framework and tools for the maintenance and further development of the application, including configuration change management;
- Documenting the software modules and software architecture of the system.

A. ELIGIBILITY CRITERIA

Qualifications and experience required:

A.1. Education:

- Level of secondary education attested by a diploma giving access to post-secondary education or;
- Level of post secondary education of an official duration of three years attested by a diploma.

A.2. Experience:

- Since the completion of an education as referred to above a) six years of proven professional experience;
- Since the completion of an education as referred to above b) three years of proven professional experience where the official duration of the post-secondary is three years. When the official duration of the post-secondary studies is less than three years, the difference in time is to be compensated by additional professional experience after the award of the diploma.

A.3. Language skills:

The main working language in the field of maritime safety is English. Candidates must therefore have a very good command of English with a satisfactory knowledge of at least one other official language of the European Union to the extent necessary for the performance of the above mentioned duties.

A.4. General Conditions: In addition, in order to be eligible the candidate must:

- Be a national of one of the Member States of the European Union or of Iceland or Norway;

- Be entitled to your full rights as a citizen²;
- Have fulfilled the obligations imposed on you by the laws concerning military service;
- Meet the character requirements for the duties involved and
- Be physically fit to perform the duties linked to the post.³

B. SELECTION CRITERIA

B.1. Essential:

- At least two years of professional experience must be related to the functions of the post;
- Knowledge of system development and/or architecture building of large web systems, including knowledge of high availability, clustering, scalability and security techniques;
- Proven hands-on experience with the IT technologies relevant for the functions of the post (J2EE, Oracle, Web Services, XML, Eclipse);
- Excellent communication skills, both oral and written.

B.2. Advantageous:

- Experience in Unix/Linux scripting;
- Experience in Python;
- Experience in Apache Tomcat set up and configuration;
- Good understanding of database design and data modelling principles;
- Experience with Oracle stored procedures and PL/SQL;
- Experience with design and modelling in UML.

The advantageous criteria will be considered by the Selection Board depending on the number of applicants meeting the essential criteria.

Conditions of Employment:

- This vacancy notice concerns a Temporary Agent position, pursuant to Article 2 a) of the Conditions of Employment of other servants of the European Communities;
- The initial duration of the contract is 3 years, with possibility of renewal;
- The successful candidate will be recruited in the grade AST3;
- The basic monthly salary, before any deductions or allowances, at 1 July 2010 for grade AST3, first step is EUR 2888.07€;
- In addition to the basic salary, staff members may be entitled to various allowances, such as an expatriation allowance (16% of basic salary), household allowance, dependent child allowance and education allowance. The salary is subject to a Community tax deducted at source and staff members are exempt from national taxation;
- Please note that recruitment is done in the first or second step of the indicated grade, depending on the duration of the acquired professional experience. EMSA offers a comprehensive welfare package including pension scheme, medical, accident and occupational disease insurance coverage, unemployment and invalidity

² Prior to the appointment, the successful candidate will be asked to provide a police certificate confirming the absence of any criminal record.

³ Before being engaged the candidate will be medically examined in order that the Agency may be satisfied that he/she fulfils the requirements of Article 12 (2) (d) of the Conditions of Employment of Other Servants of the European Communities.

allowance. Further information regarding rights and conditions of employment can be found in the following document:

http://ec.europa.eu/civil_service/docs/toc100_en.pdf;

- The place of employment is Lisbon, Portugal.

Submission of applications:

Each application shall contain the three following documents:

- 1) A **detailed curriculum vitae, clearly justifying educational and professional experience** in European format (that can be obtained at the following address or downloaded from EMSA web site)
<http://europass.cedefop.eu.int/europass/home/vernav/Europasss+Documents/Europass+CV/navigate.action>;
- 2) A duly completed and signed **declaration of honour** (to be downloaded from EMSA web site);
- 3) A **motivation letter** of 2 pages maximum.

Candidates are kindly requested to provide **5 copies (1 original + 4 copies)** of their application in order to facilitate the recruitment process. The complete application should be sent **by registered mail** to:

Vacancy reference n°: EMSA/AST/2011/01 – IT SOFTWARE DEVELOPER

EMSA
HR Sector
Cais do Sodre
1249-206 Lisbon
Portugal

Only complete applications containing the **three above mentioned documents** and sent by **registered mail within the deadline** will be taken into account.

The postmark will serve as **proof of the date of dispatch**. The **vacancy reference** number must be clearly **indicated** on the **envelope**.

The deadline for sending your application is 20th April 2011.

Please note:

- Mention clearly your address for correspondence and for invitation to an interview. All correspondence will be sent to this address. Inform us of any change immediately.
- EMSA is an **equal opportunity employer** and encourages **applications from women**.
- If you are invited to an interview you will be asked to submit supporting documents to prove the information provided in your application.
- You may apply in any of the official languages of the European Community, but it would be helpful to **apply in English** in order to **facilitate the selection process**. However you are requested to **state your educational qualifications** and positions held in the **language of origin**.

The Selection Process:

All candidates will receive an acknowledgement of receipt for their application. For each selection process a Selection Committee is nominated. The Selection Committee will evaluate all applications and select those candidates meeting the eligibility criteria and matching best the selection criteria required in this vacancy notice. The **selected candidates** will be invited to **pass one or several written exams** related to the job profile and to take part in a **selection interview**.

During this recruitment phase, the selected candidates will be evaluated by the Selection Committee. After the interviews, the Selection Committee will draw up a list of the most suitable candidates. The **Appointing Authority will select the successful candidate** and inform him/her accordingly. As soon as this decision is taken, **all candidates will receive an information letter.**

Please note that a **binding commitment** can only be made **after verification of all conditions** and will take the form of a **contract signed by the Executive Director.**

The reserve list will remain valid for a period of 1 year following its establishment. Therefore candidates whose name will be put on a reserve list could be offered a contract during this period of time.

Please note that the **selection process may take several months** to be completed and that **no information** will be released **during this period.** Once a selection process has been completed, its status will be displayed on our web site.