IaaS, PaaS, SaaS distributed Operations and Systems Federation Manager -IPSdOSFM-

Vacancy – Terms of Reference

A. Job description

JOB TITLE: IaaS, PaaS, SaaS distributed Operations and Systems Federation Manager

PURPOSE: The functions of the IPSdOSFM position will be to perform operations and federation management of LifeWatch ERIC systems based on IaaS, PaaS and SaaS

LOCATION: LifeWatch ERIC ICT-Core premises in Andalusia (Spain)

POSITION: Full-time

FUNDING RESOURCES: LifeWatch ERIC ICT-Core in Spain - Andalusia ERDF Projects Framework: Alboran Project Mareto Initiative

B. Main responsibilities

I.   S/he will work under the supervision of, and always directly report to the Chief Technology Officer and Director of the ICT-Core, and whoever he may delegate;

II.   S/he will occupy a position whose responsibilities are to design, implement and maintain the technology infrastructure that supports cloud service delivery that allows developers to build, test, deploy and run applications and services in a transparent way from the perspective of the underlying infrastructure operations;

III. S/he will perform monitoring and management functions for multiple systems, networks and applications that integrate and work together to provide an overall service solution;

IV. S/he will provide full support for the co-design, start-up, deployment, monitoring and performance assurance of LifeWatch ERIC cloud services, in particular, focused on the so-called Mareto initiative within the framework of the ERDF Alboran project, by also considering the EOSC (Future) integration-federation requirements and the Strategic Working Plan of LifeWatch ERIC.

C. The ideal candidate should meet the following requirements:

- A Bachelor's degree in Informatics or Telecommunications Engineering;

- Minimum 15 years' experience in IT infrastructure deployment and management;

- Accredited professional experience on innovation projects related to cloud technologies, in particular OpenStack;

- Advanced knowledge of operating systems (Windows, Linux, Unix); databases (Oracle DB, PostgreSQL, MySQL); distributed computing (Clustering and Grid), high performance cluster interconnection networks (Myrinet, Infiniand, etc), and server virtualisation technologies (VMware, KVM, PowerKVM, Microsoft Hyper–V, Citrix Xen Server);

- Experience in university training and capacity building on workflows and cloud-related thematic topics;

- Excellent presentation and reporting skills, fluency in written and spoken English (LifeWatch ERIC's official language) and Spanish (ICT-Core premises hosted by Spain); Knowledge of other European languages will be taken into consideration;

- Knowledge of ID management concepts (federation, protocols, terminology, etc.);

- Proven organisation and communication skills, proactive, capacity to work in teams and to tight deadlines, in international environments and multi-language contexts;

- Willingness to travel abroad according to the specific working needs of this position;

- High-standard work ethic.

ASSETS

- IT skills: Networking devices, perimeter security devices and communication software deployment and operation, HPC infrastructure functioning: in particular, distributed and high performance file systems (Lustre, GPFS, GFS, BeeGFS, CephFS) and cybersecurity issues in big industrial facilities;

- Understanding of the structure, functioning and regulation of European Research Infrastructure Consortia (ERICs), in particular ICT, biodiversity and ecosystem areas.

D. The vacancy is subject to the following procedure

- A **short covering letter** and **Curriculum Vitae**[1] (EUROPASS format and annexes, 6 pages at the most) shall be submitted to the Chief Technology Officer and Director of the ICT-Core cto@lifewatch.eu and in cc to hiring@lifewatch.eu, by **1 March 2023.** Please quote "IaaS, PaaS, SaaS distributed Operations and Systems Federation Manager -IPSdOSFM-" in the email subject;

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[1] *Special note for Italian market: According to Italian Privacy Protection Law n. 196/03 any resume not mentioning explicitly the following wording: 'I authorise the use of my personal data in accordance with Italian Privacy Protection Law (30/06/2003, n. 196/03)' will be automatically deleted from our database and consequently not taken into consideration.*

- The selection process will follow the Employment Policy of LifeWatch ERIC;

- S/he will be appointed full-time. A competitive gross salary, based on the qualifications and experience of the candidate, will be offered. Employment will be in Spain, follow Spanish employment law and be subjected to a 180-day trial (probation) period;

- Her/his main office will be located at the LifeWatch ERIC ICT-Core premises in Seville (Spain), without prejudice to the establishment of others in the future (e.g. Huelva);

- Start date in office for the appointed person: March 2023.

LifeWatch ERIC is an equal opportunity employer, and encourages all qualified candidates to apply, regardless of race, gender, age, national origin, or sexual orientation.