SENIOR SYSTEM ADMINISTRATOR

Deadline: 3 April 2020
Ref: IA/20/15

Company description

Elettra Sincrotrone Trieste is an international multidisciplinary research center operated as a user facility, featuring a 2.0/2.4 GeV, third-generation synchrotron light source (Elettra), a new free-electron laser light source (FERMI) and a variety of support laboratories. The extremely high quality of the machines and beamlines has set new performance records and has been producing results of great scientific and technological interest. See http://www.elettra.eu for more information.

Job description

The successful candidate will work in the System Administrators Team, ICT Systems and Services, IT Group.

In his/her activity he/she will deal with the installation, administration and maintenance of:

- new and existing virtualization systems based on Proxmox and Xen;

- distributed storage systems based on Ceph and GlusterFS;

- backup systems based on Opensource software;

- monitoring systems based on Opensource software;

- TANGO Control System for experimental facilities;

- distributed networking infrastructure.

He/she will support the Control Systems team in managing both the development and the deployment of Elettra and FERMI control systems, including FERMI beamlines.

He/she will support scientists with the installation and maintenance of the operating systems for the workstations of FERMI experimental end-stations.

He/she will help the Control Systems team with the configuration and use of individual systems.

He/she will collaborate with the other System and Network Administrators in the development or renewal of the IT infrastructure connected to the Accelerators.

He/she will also perform rack installation and cabling of servers, network devices and any other needed accessory.

Qualifications

A Diploma of high school is required together with 3 or more years of working experience in the IT field with a proven track record in:

- design, installation and administration of client and server systems based on Unix-like operating systems, with special reference to CentOS, Debian and Ubuntu Linux distributions;

- system-administration knowledge and experience of controls systems based on the Tango toolkit (https://www.tango-controls.org);

- integration of systems based on Microsoft Windows;

- basic database installation and administration, with special reference to MySQL/MariaDB;

- solid understanding of computer networking;

- installation and administration of distributed storage systems, with special reference to Ceph and GlusterFS;

- design, installation and administration of virtualization systems based on open source software, with special reference to Proxmox and Xen;

- installation and administration of network backup systems, with special reference to Bacula and Bareos;

- monitoring of system health and status with Nagios/Icinga, Zabbix, Prometheus, Ganglia and similar Opensource software;

- deployment of system configuration files to running systems with automated tools (e.g. puppet);

- administration and support to users about distributed version control systems and related tools, with special reference to CVS and Git/Gitlab;

- installation, configuration and management of diskless systems with remote boot features;

- design and management of hardware installations in rack-mount systems;

A fluent knowledge of written and spoken Italian and English is mandatory.

Advantages over other candidates will be given by:

- working experience in the IT field in research laboratories or research centers;

- experience of docker deployments and related orchestration tools;

- administration of directory services, with special reference to LDAP;

- management of web-server installations.

The successful candidate must have team-working attitude, be proactive in problem solving, react quickly to emergency and urgent troubles, demonstrate abilities to report clearly and efficiently the workflow, be available for on-call periods , if needed.

He/she must be available for short-term working trips to other research facilities located mainly, but not only, in Europe.

The deadline for the submission of the application is April 3, 2020.

The appointment envisioned is a permanent position. The salary will be commensurate with previous experience and qualifications of the candidate.

Applications should include a full curriculum vitae and the names and contact information (including electronic mail) of possible two references.

In accordance with the provisions of article 21 of the Italian legislative decree no. 39/2013 and in conjunction with article 53 (subsection16ter) of Italian legislative decree no. 165/2001, employees or former employees of any Italian Public Entity who have exercised authority over Elettra Sincrotrone Trieste S.C.p.A. or have negotiated with Elettra - Sincrotrone Trieste S.C.p.A. within the last three years will be excluded from the present selection procedure.

We thank all applicants in advance.
For more information, please contact Roberto Pugliese (email: roberto.pugliese@elettra.eu).

Elettra Sincrotrone Trieste

To apply for this position please visit the following link:
https://www.elettra.trieste.it/it/about/careers/working-withus.html?ref=IA%2F20%2F15

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