

## Systems and Network Engineer

### Job Description

Port d'Informació Científica (PIC, <http://www.pic.es>) is looking for a System and Network Engineer to work in the Services and Infrastructure Group providing technical support to High Performance Scientific Data Process projects. PIC specializes in distributed systems for massive data processing, generating an aggregated Wide Area Network traffic of up to 70 Petabytes per year.

### Key duties

- WAN and LAN administration
- maintenance and resolution of issues related to network services
- support to system administrators and users on network services
- configuration and administration of data transfer applications based on linux
- configuration and administration of monitoring platform for the network

### Degree and area of specialization

- Computer Science or Telecommunications University degree.

### Required Skills

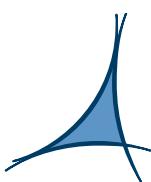
- Linux system administration experience (minimum 2 years)
- Network administration experience (minimum 2 years)
- English spoken and written

### Experience in any of the following is a plus

- Monitoring platforms as Grafana, Kibana, Prometheus
- IT configuration management solutions such as Ansible or Puppet
- IT security
- CISCO, Dell or Fortinet systems
- CCNP certification
- Network routing protocols (BGP)
- Cloud environments
- Python programming language

### Applications

Applicants must be nationals of the European Union, or of countries in the European Economic Area or Switzerland, or have a valid Spanish work permit. All documentation will be handled electronically and exclusively in pdf format. Applications should be sent to [pic.jobs@pic.es](mailto:pic.jobs@pic.es) indicating reference number PIC2020-SERVICES-1 attaching a Curriculum Vitae and any other relevant documentation. The selection process will be continuous until a qualified candidate is found. Ideally, the successful candidate would start working at PIC no later than April 2020.



Sending the documentation to this address implies the authorization of the candidate for IFAE to process their data, and the commitment to manage them in accordance with current regulations, as indicated in its website's legal notice.

### **Contract characteristics**

The recruiting center will be Institut de Física d'Altes Energies (IFAE). The work place will be PIC headquarters at Universitat Autònoma de Barcelona. The contract is funded by The contract is funded by the European Commision through the project "Archiving and Preservation for Research Environments — ARCHIVER", grant agreement No. 824516.

The contract will be for 1 year, including a 6 month trial period, renewable up to an additional year depending on mutual satisfaction and availability of funds.

**Salary Range:** between 25.000 and 30.000 € yearly gross, depending on experience.

The contract includes the standard social benefits in Spain, which include public Health.

IFAE is an equal opportunity employer committed to diversity in the workplace, and we welcome applications from all qualified candidates. Women are particularly encouraged to apply.

PIC provides a flexible work environment, and promotes proactive goal-oriented approach in the workplace.

### **About PIC**

PIC is a scientific-technological center located in the UAB University campus near Barcelona and it is maintained through a collaboration agreement between the research centers IFAE (<http://www.ifae.es>) and CIEMAT (<http://www.ciemat.es>).

PIC uses distributed high throughput computing technologies including clusters, Grid, Cloud and Big Data, to support the scientific mission of various international collaborations in the field of particle physics, astrophysics and cosmology doing data-intensive research.

Providing data processing capacity at the level of 8500 cpu cores, 10 Petabytes of disk and 25 Petabytes of tape, PIC is a world-wide recognized center for scientific data processing and High Throughput Computing. It is the main computing center in Spain for the CERN [LHC](#) particle collider, a Science Data Center for the ESA [Euclid](#) satellite mission and the main data repository for the [MAGIC](#) and [PAU](#) astrophysics experiments.

Bellaterra, March 03, 2020