Job Reference

114_LS_CB_RE1

Position

Computer Systems Technician (RE1)

Data de tancament

Dilluns, 30 Juliol, 2018

About BSC

The Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC-CNS) is the leading supercomputing center in Spain. It houses MareNostrum, one of the most powerful supercomputers in Europe, and is a hosting member of the PRACE European distributed supercomputing infrastructure. The mission of BSC is to research, develop and manage information technologies in order to facilitate scientific progress. BSC combines HPC service provision and R&D into both computer and computational science (life, earth and engineering sciences) under one roof, and currently has over 500 staff from 44 countries.

Look at the BSC experience:
BSC-CNS YouTube Channel
BSC-CNS Corporate Video
Let’s stay connected with BSC Folks!

Context and Mission

The Text Mining Unit of the BSC-CNS (TeMU-BSC) is funded through the Plan de Impulso de las Tecnologías del Lenguaje de la Agenda Digital, by the Secretary of State of Telecommunications and the Information. It is the first publicly funded text mining unit in Spain and has the aim to promote the development of natural language processing and machine translation resources for Spanish and other co-official languages in the area of biomedicine.

We search for a technician who will be responsible of the integration of data, applications and search tools, and the maintenance of the servers and other infrastructure of the unit.

Key Duties

1. Administration task on servers, operating systems and applications.
2. Server and system back-up management.
3. Installation of new releases of software/server patches.
4. Database administration, performance tuning and capacity planning.

The candidate will work closely with the integration of NLP components.

Requirements

- **Education**
- University degree in computer science, telecommunications, bioinformatics, electrical engineering or equivalent.

Essential Knowledge and Professional Experience

- Demonstrated experience installing and configuring servers, hardware, operating systems, databases and applications
- Demonstrated experience in the development and integration of software tools.
- Demonstrated experience with UNIX environments.

Additional Knowledge and Professional Experience

- Strong programming skills in at least one of the following languages: Java, Python, C++, Scala, R.
- Experience with software like Maven and Nexus or setuptools, Virtualenv, PIP.
- Experience tuning databases for better performance.
- Demonstrable use of source code repositories (e.g. Github, BitBucket, Sourceforge).
- Experience with Web Services (e.g. RESTful).
- Skills in Networking and Security principles.
- Skills and knowledge related to data Warehouses, NoSQL (e.g. MongoDB, Elasticsearch, Lucene), SQL (e.g. PostGreSQL, MySQL, Oracle, MS-SQL).
- Experience with Java, Apache, HAProxy, Tomcat Application Server, etc.
- Experience in/with cloud computing, docker, docker swarms and VMs.

Languages

- Fluency in either English or Spanish.

Conditions

- The position will be located at BSC within the Life Science Department.
- We offer a full-time contract, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible hours, extensive training plan, tickets restaurant, private health insurance, fully support to the relocation procedures.
- Salary: we offer a competitive salary commensurate with the qualifications and experience of the candidate and according to the cost of living in Barcelona.
- Starting date: ASAP.
Applications Procedure

All applications must include:

- A motivation letter with a statement of interest, including two contacts for further references - COMPULSORY - Applications without this document will not be considered
- A full CV including contact details

Deadline

The vacancy will remain open until suitable candidate has been hired. Applications will be regularly reviewed and potential candidates will be contacted.

Diversity and Equal Opportunity Employment

BSC-CNS is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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