5_20_CS_DSC_RE1

Job Reference

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Position

Junior developer of Big Data technologies for High Performance Computing (RE1)

Data de tancament

Divendres, 31 Gener, 2020
Reference: 5_20_CS_DSC_RE1
Job title: Junior developer of Big Data technologies for High Performance Computing (RE1)

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 650 staff from 49 countries.

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

Context And Mission

We are looking for a junior developer to work in the Data-Driven Scientific Computing research line. We will accept candidatures interested in a part-time work as well as students of Computer Sciences Engineering Degree. There is the option to perform the Undergraduate Thesis Project related to BigData technologies. In particular, this junior developer will work designing and implementing tools to meet the requirements of Big Data scientific applications. Among other tasks, he/she will work on exploiting novel storage hierarchies, exploring solutions ranging from extending existing functionalities on non-relational databases to combine different data store solutions for each level in the hierarchy.

Key Duties
• Development of policies and mechanisms to manage data storage hierarchy
• Study and adaptation of Big Data tools for HPC environments

Requirements

• Education
  o Graduate on Computer Science (or similar) or currently undertaking the last semesters

• Essential Knowledge and Professional Experience
  o Knowledge of distributed data systems for Big Data applications (as for example Apache Cassandra)
  o Programming with Python and C++
  o Comfortable working in Linux environments

• Competences
  o Critical and creative thinking skills
  o Ability to take initiative, prioritize and work under set deadlines and pressure
  o Ability to work independently and in a team
  o Excellent written and verbal communication skills
  o Capacity to interact and build strong relations with a diverse members/stakeholder/staff base

Conditions

• The position will be located at BSC within the Computer Sciences Department
• We offer a full-time contract, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible working hours, extensive training plan, tickets restaurant, private health insurance, fully support to the relocation procedures
• Duration: Temporary - 1 year renewable
• 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 Cover Letter with a statement of interest in English, including two contacts for further references - Applications without this document will not be considered
• A full CV in English 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.

This position is reserved for candidates who meet the requirements and have the legal status of disabled persons with a degree of disability equal to or greater than 33%. In case there are no applicants with disabilities that meet the requirements, the rest of the candidates without declared disability will be evaluated.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación