153_CS_DDC_R2

Job Reference

153_CS_DDC_R2

Position

Big Data in the Cloud - Recognized Researcher (R2)

Data de tancament

Diumenge, 31 Desembre, 2017

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

BSC under the collaboration agreement with Microsoft Research are conducting research and development projects in the area of Big Data platforms in the Cloud. In this contest, we are looking for 1 Postdoc Researcher. The project will be a joint effort with a team of researchers from Microsoft Redmond. Candidates must be interested in starting a research career in the scope of an international team.
Key Duties

- The selected candidate will work on the characterization and simulation of MapReduce environments
- Characterization of MapReduce workloads in different hardware platforms (Ethernet, Infiniband, Rotational Disks, Solid State Disks, CPUs, #cores…) and different workloads
- Evaluation of performance bottlenecks under different conditions

Requirements

- Education
  - Holding a PhD degree in Computer Science (candidates with proven experience on the field but not holding a PhD degree may be considered also)

- Essential Knowledge and Professional Experience
  - Strong knowledge of Big Data Cloud Platforms (Azure HDI, Azure ADLA, Amazon Redshift…)
  - Excellent knowledge on the Apache Hadoop and Spark ecosystems
  - Excellent knowledge of SQL-like languages (e.g. USQL)
  - Excellent knowledge on server virtualization technologies
  - Computing skills in high level computer languages (especially Java and C++ and Web Technologies) and experience with UNIX/LINUX environments and scripting languages

- Competences
  - Excellent written and verbal communication skills in English
  - Ability to work in a professional environment within a multidisciplinary and international team
  - Ability to take initiative, prioritize and work under set deadlines and pressure
  - Capacity to interact and build strong relations with a diverse members/stakeholder/staff base
  - Willing to travel (mandatory)

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 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
• 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.

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