233_CS_DCC_R3

Job Reference

233_CS_DCC_R3

Position

R3 ? Established Researcher

Data de tancament

Diumenge, 31 Desembre, 2017

About BSC

The Barcelona Supercomputing Center - Centro Nacional de Supercomputació (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

Fog Computing is a computing paradigm to provide solutions for complex IoT environments, smart cities and several other domains. In the scope of a smart city context, we are looking for excellent candidates interested in developing data analysis techniques.

The work of the selected candidate will to extend Cloud Computing technologies to be able to reach the edge of the network allowing a compute fabric between the edge and the data centers.
The work will be developed as part of a multidisciplinary and international team and in close collaboration with one of the top leading multinational companies in the domain of the Internet of Things.

**Main Responsibilities**

- Develop new paradigms for extending Cloud technologies to the edge
- Implement integrations across different cloud-based solutions for the Fog
- Explore new paradigms for continuous service assurance in the Fog

**Desirable Skill Specifications**

- Advanced Experience on building YANG models for IoT environments
- Excellent knowledge on cloud computing platforms, and in particular OpenStack and Kubernetes
- Excellent knowledge on server virtualization and Containerization technologies
- Knowledge about the challenges found in Smart Cities environments would be valuable
- Computing skills in high level computer languages (especially Java and C++ and Web Technologies) and experience with UNIX/LINUX environments and scripting languages
- Fluency in English essential
- Excellent written and verbal communication skills
- Ability to take initiative, prioritize and work under set deadlines and pressure
- Ability to work independently and in a team

**Qualifications & Experience**

- Holding a PhD degree in Computer Science on IT security related topics
- Capacity to interact and build strong relations with a diverse members/stakeholder/staff base.
- Willing to travel (mandatory)

**The position will be located at BSC within the Computer Science department.**

*Interested candidates, please submit:*

- Presentation letter (including salary expectations)
- Curriculum vitae (including academic record)
- Candidates may optionally submit a software portfolio (links to developed applications or a public software repository).
- Internal candidatures will be prioritized

**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