**65_CS_PM_RE2**

**Job Reference**

65_CS_PM_RE2

**Position**

C++ Developer

**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](https://www.youtube.com)

[BSC-CNS Corporate Video](https://www.youtube.com)

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**Context and Mission**

The Programming Models group at BSC is offering a software developer position to work on the OmpSs programming model. The candidate will participate in INTERTWinE H2020 project, extending the framework to support new requirements and features. We are looking for a motivated and talented developer with an excellent programming skills and background or interest in programming models and High Performance Computing.
Key Duties

- Extend OmpSs programming model with new features by extending the Nanos6 runtime system

Requirements

- Education
  - BSc or MSc in Computer Sciences, Computer Engineering, Telecommunication Engineering or equivalent

- Knowledge and Professional Experience
  - Excellent computing skills in C/C++ programming languages
  - Experience in parallel programming using pthreads
  - Experience in distributed programming using MPI, GASPI, etc
  - GPGPU programming (CUDA and OpenCL) will be valuated

- Competences
  - Good 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

Conditions

- The position will be located at BSC within the Computer Science department in collaboration with the specific program coordinator
- We offer a full-time contract, a good working environment, flexible hours, Tickets Restaurant, medical assurance, ongoing and external training, languages classes
- Duration of the contract: 1 year

Applications Procedure

All applications must include:

- A motivation letter
- A full CV including contact details

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.