Job Reference

193_CASE_HPCSE_RE3

Position

Research Engineer - RE2

Data de tancament

Diumenge, 24 Desembre, 2017

BSC-CNS (Barcelona Supercomputing Center – Centro Nacional de Supercomputación) is the National Supercomputing Facility in Spain and manages MareNostrum, one of the most powerful supercomputers in Europe. The mission of BSC-CNS is to investigate, develop and manage information technology in order to facilitate scientific progress. With this aim, special dedication has been taken to areas such as Computer Sciences, Life Sciences, Earth Sciences and Computational Applications in Science and Engineering.

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Context and Mission of the role

The Geophysical Group of the Computer Applications in Science and Engineering (CASE) Department at the Barcelona Supercomputing Center is offering a software engineer position to work on an interdisciplinary project on leading edge geophysical imaging tools for HPC environments. The candidate should work in close cooperation with other people already working in the subject. The contract will be temporary.

Responsibilities

- To implement geophysical HPC tools and Graphical User Interfaces for such HPC tools, considering the client-side, the server-side and the HPC environment for running geophysical applications.

Requirements
• **Education**
  o Degree in Informatics or Engineering

• **Knowledge and professional experience**
  o Experience with web development technologies: HTML, CSS, Javascript, Node.js, Express, MongoDB, Gulp, Bluebird, Handlebars and Kraken.
  o Some knowledge about security for web developments.
  o Knowledge, to some extent, about some HPC programming models such as: MPI, OpenMP, OpenCL, CUDA.
  o Experience with HPC environments both, as user and software developer.

**Competences**

• Have a great ability for team work
• Have a natural proactive character
• Fluent English both, written and spoken

In order to be successful in this role the candidate should have:

**Conditions**

• A competitive salary will be provided, matched to the cost of living in Barcelona, depending on the value of the candidate

**Applications Procedure**

All applications must be done through the BSC website:

http://www.bsc.es/about-bsc/employment/vacancies

Including:

1. A full CV including contact details.

**Diversity and Equal Opportunity Employment**

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