129_LS_INB_RE2

Job Reference

129_LS_INB_RE2

Position

Mid-level research software engineer (RE2)

Data de tancament

Dilluns, 30 Juliol, 2018

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
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Context And Mission

ELIXIR (European Life Science Infrastructure for Biological Information) is a pan-european organization founded in 2014, which aims to integrate and harmonize European bioinformatics infrastructures. ELIXIR coordinates the participation of more than 20 countries, engages with other strategic european initiatives and projects e.g. ESFRI, Research Data Alliance, EUDat, EGI; promotes specific training activities and workshops on ELIXIR resources, partners with industry, and play a key role in shaping the bioinformatics landscape.

Spain is member of ELIXIR since 2015, with the INB as the Spanish national node. INB is a technological platform of the Instituto de Salud Carlos III (ISCIII) and is coordinated by the Barcelona Supercomputing Center (BSC). Within ELIXIR, the INB is responsible for the bioinformatics infrastructure offered by Spain, and therefore, should guarantee its alignment to the strategic areas put forward by ELIXIR as well as to increase the translational impact of INB groups into the Spanish National Health System (Sistema Nacional de Salud).
Key Duties

1. Contribute to the activities related to the participation into ELIXIR.
2. Contribute the back-end development of OpenEBench, the ELIXIR benchmarking platform.
3. Design, implement and deploy databases for a variety of projects.
4. Contribute to supervise junior members at the INB/ELIXIR-ES Coordination unit.
5. Work together with other developers at INB/ELIXIR-ES and other ELIXIR nodes to ensure the appropriate implementation of previously agreed standards and methodologies.

Requirements

- Education
  - Software engineering and/or bioinformatics related degrees

- Essential Knowledge and Professional Experience
  - At least 2 years of professional experience on web back-end technologies.
  - At least 3 years of professional experience on the use of software repositories such as GitHub, BitBucket and/or GitLab.
  - At least 2 years of professional experience with software containers technologies such as Dockers and/or Singularity.

- Additional Knowledge and Professional Experience
  - Familiar with data handling of massive amounts of biological data.
  - Familiar with Biological and/or Medical Ontologies.
  - Familiar with workflows specification languages like CWL (Common Workflow Language)
  - Familiar with the software containers orchestration technologies like Kubernetes
  - Familiar with cloud management systems such as OpenStack and/or OpenNebula.

- Competences
  - Fluency in English. Writing and spoken.
  - Strong technical writing skills.
  - Strong personal soft-skills sets: Communicative, enthusiastic, highly collaborative, proactive, self-driven.
  - Used to work under pressure under strict deadlines.

Conditions

- The position will be located at BSC within the Life 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: July/August/September

Applications Procedure

All applications must include:
• A motivation letter with a statement of interest, including two contacts for further references - COMPULSORY - Applications without this document will not be considered

• 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.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación