International Centre for Numerical Methods in Engineering

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JOB VACANCY ANNOUNCEMENT

VAC-2024-45 – Data Engineer in big data Infrastructure

Number of places: 1

Category: Innovation Developer 3

Workplace: CIMNE - Terrassa

Salary (gross): 28.747,10 € / year

Weekly working hours: 40h / week

Functions to be developed:

This is a full-time Data Engineer in big data who should work in hybrid mode at the CIMNE-Terrassa offices, located in the city of Terrassa. The successful candidate will be responsible for developing some ingestion and data harmonization packages of our big data infrastructure (ENMA). Further works related to developing Graph-based neural networks fed by the harmonized data are also expected.

Required skills:

- Bachelor's or Master's degree in Computer Science, Software Engineering, or a related field
- Previous experience in designing and implementing scalable data systems
- Hands-on experience in NoSQL databases
- Experience working with distributed systems, messaging queues, and stream-processing frameworks
- Experience in data warehousing, ETL processes, and data processing
- Excellent coding skills in at least one programming language, preferably Python
- Active participation in innovation projects
- Support in the development of proposals and projects
- Contribution to the development of products, software, or services according to project or contract expectations
- Collaboration in establishing and maintaining relationships with companies and/or governmental or public institutions
- Contribution to the writing and publication of applied research papers, reports for industry or public institutions (including confidential reports), professional practice guides, technical guidelines, technical books, expert opinion papers, etc.

Other valued skills (not mandatory):

- High level of English

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Centre Internacional de Mètodes Numèrics a l'Enginyeria ® Q5850006G

- Spanish or Catalan
- Strong analytical and problem-solving skills

Qualification system:

The requisites and merits will be evaluated with a maximum note of 100 points. Such maximal note will be obtained summing up the following points:

- Academic qualifications: 20%
- Training and development: 15%
- Professional experience: 15%
- Knowledge of the Catalan language: 5%
- Knowledge of the English language: 5%
- Selective tests and interview: 40%

Candidates must complete the "Application Form" form on our website, indicating the reference of the vacancy and attaching the required documents.

The deadline for registration to the offer ends on 18th September, 2024 at 12 noon.

The preselected candidates may be requested to send the documentation required in the "Requirements" and "Merits" sections, duly scanned, and may be called to go through selection tests (which might be of eliminatory nature) and / or personal interviews.

Commitment to inclusitvity:

At CIMNE, we champion workplace equity, diversity, and inclusion. We're committed to fostering a culture where everyone can thrive, leveraging diverse talents and backgrounds. We welcome all applicants regardless of color, religion, gender, origin, abilities, gender identity, sexual orientation, pregnancy or any other characteristic. Join us in building a community that values, celebrates, and respects every individual.

HR Excellence in Research:

CIMNE welcomes and supports the principles of European Commission's _European Charter for Researchers_ and the _Code of Conduct for the Recruitment of Researchers_, embracing a transparent, attractive, and open labour market in research. The centre's Human Resources Strategy for Researchers (HRS4R) includes an action plan with actionable short and long-term actions to support a high-quality working environment for all. Further information can be found here.

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