

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0276 (CentrosTecnInov - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING,COMPUTER SCIENCE Sub: Electrical engineering,Informatics

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Informatics - Energy Systems

Project:	Funding for Technology and Innovation Centres
Scientific Advisor:	Ricardo Jorge Bessa
Start Date:	2023-09-26
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Informatics - Energy Systems

Project overview: Industrialization of R&D results and software development to support the decarbonization of the economy.

Objectives: Software integration and industrialization with commercial platforms for managing energy communities, micro-grids and sustainable energy systems. Creation and maintenance of APIs for a microservices platform; Ensuring scalability and performance of a product using backend technologies.

Academic Qualifications: Master degree in electrical and computer engineering or computer science or informatics or similar.

Minimum profile required: Programming skills (Python, C, C++, etc.);
Knowledge and experience in backend development;
Ability to break down complex problems, making flowcharts and drive towards a solution;
Knowledge of SQL and NoSQL data stores particularly;
Focus on clean and readable code

Preference factors: Experience with software development for engineering problems;
Fluency in English and Portuguese (spoken and written);
Experience with the development of APIs (Flask, FastAPI, Django, or similar).

Funding Entity: Co-financed by Component 5 - Capitalization and Business Innovation of core funding for Technology and Innovation Centres (CTI), integrated in the Resilience Dimension of the Recovery and Resilience Plan within the scope of the Recovery and Resilience Mechanism (MRR) of the European Union (EU), framed in the Next Generation EU, for the period 2021 - 2026.

Type of contract: Uncertain term contract

The hiring shall be governed by what is stipulated in the legislation in force regarding uncertain term employment contracts and by INESC TEC norms.

Selection criteria: The selection of the candidates will be based on the following criteria, in descending order of consideration:
a) Relevant Curriculum in the concerned field of this tender
b) Proven experience.

Selection Jury: President of the Jury: Prof. Ricardo Jorge Bessa;
Member: Prof. David Emanuel Rua;
Member: Prof. Jorge Correia Pereira;

Notification of results: The results of the selection process will be sent to the interested by electronic mail.

Application period: From 2023-07-20 to 2023-09-08

Application submission: Electronic form filling in www.inesctec.pt in the section [Work with Us](#)