CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2025-0189 (ATE - HASLAB)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Braga
Research field:	Main: COMPUTER SCIENCE
	Sub: Computer Systems,Modelling tools,Systems design

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Computer Science

Project:	Alliance for Energy Transition
Scientific Advisor:	Fábio André Coelho
Start Date:	2025-06-01
Location:	Braga

Job description:

Work Area: Computer Science

Project overview: This position is part of the project "Aliança para a transição Energética" - (Alliance for the Energy Transition) where a multi-tenant, cloud-based solution to enable an integrated set of cross-domain, interoperable digital services with data from several domains will be design, while allowing a simple instantiation for distinct stakeholders along the energy value-chain. The work plan is based on analysing, designing, implementing and testing software components of the platform above in a public cloud provider environment. The focus will be particularly on using Microsoft Azure and Amazon AWS, with a special focus on the former. The specific objectives are detailed in the objectives section.

Objectives: (a) Identification of software requirements;

(b) Design, specification and development of middleware, backend and frontend software systems (Full Stack Developer);

(c) Daily operations in maintaining, deploying and assessment of software (e.g., use of virtualization and containers) in cloud service providers, namely Microsoft Azure and local infrastructures;

(d) Design, specification and development of benchmarking software systems for evaluation of prototypes;

(e) Test and integration of software components with systems from external partners;

(f) Writing and management of documentation for the software components;

(g) participation and representation of the developments in physical or remote meetings with project partners.

Academic Qualifications:	MSc in Informatics Engineering, Computer Science or alike.
Minimum profile required:	a) Knowledge and experience in the development of Java applications;
	b) Knowledge and experience with orchestration tools in some of the following cloud providers including Microsoft Azure and Amazon AWS;
	c) Knowledge and experience with the following database management systems: PostgreSQL, Mongo DB;
	d) Knowledge and experience with the following virtualization/orchestration tools: Ansible, Docker, Kubernetes;
	e) Knowledge and experience with Linux operating systems;
	f) Language skills (written and spoken) for Portuguese and English.
Preference factors:	g) Knowledge and experience in the development of Python applications;
	h) Knowledge and experience with Spring and/or Angular Boot Framework;
	i) Knowledge and experience with Rest APIs;
	j) Knowledge and proven experience in the design and development of benchmarking systems for data management systems targeting the edge and the cloud.

Funding Entity:	ATE funded by IAPMEI with reference 56 Co-financed by Component 5 - Capitalization and Business Innovation, 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.

Disability Incentive:	Candidates who present a degree of disability equal to or greater than 90% will benefit from an incentive (20) in the score of the CV Assessment.
	Candidates who present a degree of disability equal to or greater than 60% and less than 90% will also benefit from an incentive (10) in the score of the CV Assessment.
	Said score may, in these cases, exceed 100 points.
	Candidates must demonstrate the degree of disability during the application, namely through the submission of the Multi-Purpose Medical Certificate of Disability, issued in accordance with Decree-Law no. 202/96, of October 23 - currently in effect.
	Candidates must declare, in the application form, the type of disability used throughout the selection process, in order to proceed with the required adaptations.
Selection Jury:	President of the Jury: Fábio André Coelho;
	Member: João Tiago Paulo;
	Member: António Luís Sousa;
	Substitute member: Cláudia Vanessa Brito;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2025-05-02 to 2025-05-15
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us