

CALL FOR APPLICATIONS — Technical Staff

Job reference: AE2025-0393 (CPES-Geral - CPES)

Institution: INESC TEC – Institute for Systems and Computer Engineering, Technology and Science

Position: Technical Staff

Regime and location: Híbrido – Porto

Responsible: Tiago André Soares

Start date: Uncertain term contract, starting on October 17th or as agreed between the parties.

Job summary:

INESC TEC is inviting for applications for a Technical Staff in the field of R&D&I support

The work focuses on the development and integration of software components within the NEXUS project. Core activities include the design and implementation of APIs for several tools, such as grid operation, load forecasting, PV and wind forecasting, and load simulator. The tasks also cover server deployment, the development of an intuitive and dynamic dashboard, and ensuring seamless interaction between the APIs and the NEXUS platform. The activities also include coordinating the work with the in-fabric software team of the Centre for Power and Energy Systems (CPES). Additionally, the role involves simulation, testing, and validation, as well as preparing technical documentation, reports, and scientific publications.

Key responsibilities:

- Identification of specifications for the different tools developed within the NEXUS project (e.g., load forecasting, electrical grid operation, among others).
 - Development and deployment of APIs for existing tools on the server.
 - Design and implementation of an intuitive and dynamic dashboard based on the pre-specified requirements.
 - Monitoring and ensuring seamless interaction between the developed APIs and the NEXUS platform.
 - Simulation, testing, and validation of the developed APIs.
 - Development of additional APIs and software as required throughout the project.
 - Preparation of technical documentation for all activities.
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Minimum requirements and qualifications:

- Electrical engineering, computer science, applied mathematics, computer science, or similar.
 - Basic knowledge in the development of APIs.
 - Knowledge in the Python programming language.
 - Fluency in English (written and spoken).
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Preferential factors:

- Experience in the Python programming language.
 - Knowledge in API development.
 - Knowledge in docker containers.
 - Knowledge of backend and frontend programming.
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What we offer

- Integration into an institution of excellence in the National Scientific System;
- A stimulating challenge and the chance to contribute to the creation of something new and of strategic importance to the institution;
- Collaborative, international, inclusive and innovation-oriented environment;
- Autonomy and the possibility of personal and professional growth;
- Access to specialized training, flexible working hours, hybrid working arrangements, health insurance and other benefits;
- Remuneration in line with experience and the role, with the possibility of bonuses via Performance Assessment.

Application process:

- Electronic form filling in <http://www.inesctec.pt/> in the section [WORK WITH US](#)
- Application period: 08/09/2025 until 19/09/2025
- Candidates who meet the minimum requirements will be admitted to the evaluation and selection phase.

Metodologia de seleção:

Consisting of two phases, the first involves a Curriculum Assessment (CA) and the second an Individual Interview (IE). All parameters are assessed on a scale of 0 to 100, considering merit, suitability and preference factors.

The CA parameters and their respective weights are:

- **Professional Experience** (PE, 40%): Years of relevant experience in the field (10%); Relevance of previous positions (30%)
- **Academic Background** (AF, 20%): Highest academic degree obtained (10%); Relevance of courses to the position (10%)
- **Additional Certifications and Qualifications** (CQ, 40%): Additional certifications/training relevant to the position (10%); Verification of preference factors (30%)

Candidates with AC < 50 are excluded on absolute merit. The best five candidates who are not excluded. The best five candidates who are not excluded on absolute merit are called for the EI. The Final classification (FC) is obtained from the AC (70%) and the EI (30%).

Notification of results

The results of the selection process will be communicated to interested parties by email.

Disability bonus:

Candidates with a degree of disability equal to or greater than 90% will have a bonus of 20 points in the Curricular Assessment score.

Candidates with a degree of disability equal to or greater than 60% and less than 90% will have a bonus of 10 points in the Curricular Assessment score.

In these cases, the bonus score for the Curricular Assessment may exceed 100 points.

The degree of incapacity must be proven by submitting a Medical Certificate of Multipurpose Incapacity when applying.

Selection panel:

- President: Tiago André Soares
- Jury members: Zenaida Mourão, Filipe Joel Soares.