

INESC TEC | RESEARCHER (AE2024-0236)
INESC TEC

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Posted Jun. 28, 2024, set to expire Oct. 28, 2024

Job Title	INESC TEC RESEARCHER (AE2024-0236)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jun. 28, 2024
Application Deadline	Jul. 27, 2024
Position Start Date	Jun. 27, 2024
Job Categories	Graduate Student
Academic Field(s)	Electrical and/or Electronics Computer Engineering Engineering - Other
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Job Description	

Research Opportunity

Power Systems

Work description

We are looking for a Software Developer to join our smart grids and electric vehicles laboratory (SGEVL). The professional will be responsible for specifying and implementing software architectures

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for communication and management of conversion systems, as well as developing software for electric vehicle chargers according to specific standards and protocols. Additionally, the developer will implement a platform for managing electric vehicle infrastructure.

Academic Qualifications

Bachelor's or master's degree in computer engineering, Electrical and Computer Engineering or Computer Science, or related areas.

Minimum profile required

- A minimum of 5-year experience in the area is required
- Experience in specification and implementation of software architectures (Git and Docker)
- Experience in Python and C/C++, and familiarity with relevant frameworks.
- Knowledge of communications schemes based on MODBUS (TCP/RTU), CAN, WebSockets and HTTP, data management using SQL.

Preference factors

- Experience with communication standards for electric vehicles such as OCPP and ISO15118.
- Experience with hardware and software integration, especially in IoT contexts.
- Fluency in English (written and spoken).

Application Period

Since 27 Jun 2024 to 27 Jul 2024

Centre

Power and Energy Systems

Scientific Advisor

[Justino Miguel Rodrigues](#)

What we offer

- **Multicultural and collaborative environment**
- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.

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- **International projects**
- The possibility of working in international projects with some of the most important companies in the field.
- **Mentoring**
- Mentoring with the best researchers in the fields of electrical and industrial engineering, bioengineering, information technology and physics.
- **Self Improvement**
- The possibility of participating in international conferences, workshops, seminars and vocational training.
- **Other Benefits and Perks**
- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**
- Annual informal events, such as the multicultural party.

For more information: [Click here](#)

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

Contact E-mail rh@inesctec.pt