

24J007 – Research Engineer - Software development (m/f/d)

Would you like to work at the intersection of science and industry, contributing to climate change and energy transition research in an intercultural and international environment? - Become a member of the EIFER team!

The European Institute for Energy Research EDF-KIT EWIV (EIFER) is looking for a **Research engineer** who will be part of the research group **Climate Neutral Communities**. The work is embedded in large, international research projects of the EDF Group as well as public funded projects.

The position is based in Karlsruhe with a duration of initially 2 years starting from the **1st April 2024**. The salary is based on qualifications and experience according to TV-L (100%).

The European Institute for Energy Research was founded by EDF and the KIT in 2002 aiming at enhancing collaboration through projects applied to industrial issues and utilities' needs. With its applied research orientation EIFER has been bridging the gap between science and industry for more than 20 years. In the context of the European energy transition, EIFER provides research-based innovative energy solutions for a sustainable future.

What you can expect

- Joining an existing software development team that works closely with engineers and domain experts to realize models
- Being involved in meetings with clients to discover their needs and implement solutions accordingly
- Working on research projects involving a variety of new concepts and technologies
- Participating in the development chain from cutting-edge prototypes to reliable industrialized solutions
- Expanding your knowledge by applying new systems and technologies to real world problems

What we expect

Qualification

- Master's degree or equivalent in data science, computer science or software engineering

Desired profile

- Significant experience with:
 - General programming (preferably in Python and/or JavaScript)
 - Web development (preferably with Vue, Flask & Django)
 - Version control (Git)
- Comfortable working with:
 - Design diagrams (UML)
 - Relational database systems (preferably PostgreSQL)
 - UNIX-based systems
 - Containerization systems (e. g. Docker/Podman, Kubernetes)

- Experience or willingness to learn:
 - NoSQL databases (e.g. MongoDB)
 - Automated testing and deployment
 - Cloud systems (e.g. AWS, Azure)
 - AI technologies
 - Blockchain technologies

Competences and skills

- Rigor and respect of the requirements of quality/cost/deadlines
- A very good level in English (written and spoken) is mandatory, a good level in French is an asset
- Ability to work in a multicultural team, enthusiasm, reliability and independent working style
- Ability to understand the needs of the clients and provide reactive studies

What we offer

- An international environment as well as a pleasant and open working atmosphere
- Access to research infrastructure of KIT and EDF
- Flexible working hours and part-time mobile work

Key facts

- Duration: the position is initially limited to 2 years
- Starting date: 1st April 2024
- Regular work location: EIFER, Emmy-Noether-Str. 11, 76131 Karlsruhe, Germany
- The salary is based on qualification and experience according to the public tariff system TV-L

Contact

If you want to join our institute, please forward your electronic application (cover letter + curriculum vitae + certificates) with **one single PDF of max. 5MB** to jobs@eifer.org by **14th February 2024**. Please refer to the offer number **24J007**.

To learn more about EIFER, please visit our website at: <http://www.eifer.org>

For additional information concerning the work, please contact Grégory Savidand gregory.savidand@eifer.org