Combine your scientific interest and technical skills in the field of electrical engineering to create new knowledge for the socially and scientifically relevant areas of information, energy and bioeconomy. We offer you all of this at the Central Institute of Engineering, Electronics and Analytics - Electronic Systems (ZEA-2) with modelling, designing and developing the most innovative system solutions for science and society.

We are looking to recruit a

**Software Engineer**

**Your Job:**
The Software Development team is in charge for consulting in project preparation, designing the software architectures as well as software implementation and testing of complex scientific experiments under consideration of modern quality standards. In addition, junior specialists in the dual study course Mathematical Technical Software Engineers (MATSE) are involved in all development steps by training-on-the-project.

Specific tasks are:
- Develop software within the different research projects, e.g. quantencomputing
- Integration and extension of our tools
- Make improvements and fix product defects in existing releases
- Involvement in the supervision of our Matse students
- Present research results at scientific meetings, conferences and as scientific papers

**Your Profile:**
- Master’s degree in the field of computer science, mathematics, engineering or a related discipline
- Acquaintance with modern software engineering, especially continuous integration, testing and version control systems, e.g. git
- Relevant software development experience in Python, C and/or C++, Matlab (Qt is a big plus)
• Social competence and good communication skills for collaborative work in and with interdisciplinary and intercultural team
• Good analytical view of problems and ability to master complex systems
• Some experience with programming of embedded microprocessor systems desirable
• Very good command of written and spoken English

Our Offer:
We work on the very latest issues that impact our society and are offering you the chance to actively help in shaping the change! We support you in your work with:
• A large research campus with green spaces, offering the best possible means for networking with colleagues and pursuing sports alongside work
• Comprehensive training courses and individual opportunities for personal and professional further development
• Extensive company health management
• Ideal conditions for balancing work and private life, as well as a family-friendly corporate policy
• Full-time position with the option of slightly reduced working hours and 30 days of annual leave
• Targeted services for international employees, e.g. through our International Advisory Service

We offer you an exciting and varied role in an international and interdisciplinary working environment. The position is initially for a fixed term of 2 years, with possible long-term prospects. Salary and social benefits in conformity with the provisions of the Collective Agreement for the Civil Service (TVöD). Depending on the applicant’s qualifications and the precise nature of the tasks, salary grade 13 TVöD-Bund.

Forschungszentrum Jülich promotes equal opportunities and diversity in its employment relations.
We also welcome applications from disabled persons.