Would you like to develop scientific open-source software for a friendly, collaboration-minded community? The Jülich Centre for Neutron Science - Neutron Methods (JCNS-4) operates at the Heinz Maier-Leibnitz Zentrum (MLZ) in Garching near Munich a suite of high performance neutron scattering instruments to study soft and condensed matter. It provides access to these instruments for scientists from universities and research institutions in Germany and throughout the world. In our Scientific Computing Group of JCNS at MLZ, we develop data analysis software, support instrument users and participate in exemplary data analyses.

We are looking to recruit a

**Developer for Scientific C++ Software**

**Your Job:**
- As a research software engineer, you contribute to one or several of our open-source projects
- You resolve user requests and you realise improvements and extensions, you will analyse complex computational and physical problems, design and discuss solutions, and implement them in C++
- You start by working on well defined programming tasks. With time, you will take over responsibility for software architecture, documentation, theory. In perspective, you may become lead maintainer of one software, or start a new project.
- You also participate in user support, which - depending on your profile and interests - may lead to scientific collaborations

**Your Profile:**
- Master’s degree in computer science, software engineering, physics or in a related discipline
- PhD or/and publications would be a plus
- Demonstrable experience in software development with modern C++ is essential for this position.
- Interest in abstract scientific applications

We look forward to receiving your application until 26.06.2024 via our Online-Recruitment-System!

**Questions about the vacancy?**
Get in touch with us by using our contact form.
Please note that for technical reasons we cannot accept applications via email.
www.fz-juelich.de
Experience with some of the following: Python, Qt, CMake, git; test-driven development, cross-platform development; numerical mathematics, condensed-matter physics, scattering, spectroscopy, crystallography

 Fluent written and spoken English.

Before submitting your application, please read our group homepage: https://computing.mlz-garching.de and have a look at our software: https://jugit.fz-juelich.de/mlz

**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:

- Exciting working environment on an attractive research campus, ideally situated close to the city of Munich
- Visibility of our products in the web through scientific publications, and at schools and conferences
- Comprehensive training courses and individual opportunities for personal and professional further development
- Flexible work (location) arrangements, e.g. remote work
- Flexible working hours in a full-time position (39 hours/week) with the option of slightly reduced working hours
- 30 days of annual leave and provision for days off between public holidays and weekends (e.g. between Christmas and New Year)

In addition to exciting tasks and a collaborative working atmosphere at Jülich, we have a lot more to offer: https://go.fzj.de/benefits

The position is initially for a fixed term of 2 years, with possible long-term prospects. Salary and social benefits will conform to the provisions of the Collective Agreement for the Public Service (TVöD-Bund), pay group 13, depending on the applicant’s qualifications and the precise nature of the tasks assigned to them.

**Place of employment:** Garching (München)

We welcome applications from people with diverse backgrounds, e.g. in terms of age, gender, disability, sexual orientation / identity, and social, ethnic and religious origin. A diverse and inclusive working environment with equal opportunities in which everyone can realize their potential is important to us.