



You are looking for an employer you can count on? Join us!

The Quantum Computing and Technologies Department (QCT) at LRZ is a team of computer science and quantum physics specialists researching, advancing and providing quantum computing technologies for local and international advanced computing communities. The QCT team provides scientific users with a broad portfolio of quantum resources and services, including quantum simulators, remote access to quantum hardware, on-premise quantum systems, development environment tools, scientific consultancy, and education/training. A main focus of this team is the research and development of integration pathways for quantum acceleration capabilities for next-generation high-performance computing (HPC) systems. Read more at quantum.lrz.de.

As a member of the LRZ Q-Crew, you're in the driver's seat developing and providing new tools and methods, working with cutting-edge hardware technologies; and developing the Munich Quantum Software Stack including programming models, OS, compilers and abstraction layers for multiple quantum technologies based on superconducting, neutral and ion qubits. You are pivotal for building unique solutions merging quantum and HPC workflows, advancing the community's research capabilities, and in propelling Bavaria as a global quantum hotspot pushing the boundaries of innovative scientific discoveries achievable with quantum-accelerated computing.

We're actively seeking a position for:

Senior Software Engineer (f/m/d) for HPCQC Integration

Your Role and Responsibilities:

- Be part of a large software development team developing the Munich Quantum Software Stack Ecosystem
- Develop the needed technologies for making quantum computing practical, including programming environments, tools, scheduling and virtualization/multi-user tenancy
- Interface with the quantum physics community in the Munich Quantum Valley (MQV) to understand constraints and requirements
- Follow good software development practices, including continuous integration
- Actively publish new developments and technical achievements

Basic Qualifications:

- At least an MS in Computer Science, or Engineering Science with 6 years proven experience, or a PhD plus 2+ years experience with research and software development
- Knowledge of HPC environments and system software
- Proficiency in C and C++ and in Python
- Experience with version control systems, particularly Git, for managing CI/CD and versioning the software
- Excellent oral presentation and writing skills in English
- Strong desire to contribute your education, experience, energy and enthusiasm to help build a dynamic and progressive quantum computing team and share in its success.

Preferred qualifications:

- Experience in quantum computing software and tools
- Experience in developing open-source software
- Experience in working on dynamic, fast-paced teams

Area	Quantum Computing
Working time	Full Time (40 hrs) flexible working model with electronic time recording
Term of the contract	30.11.2027, a further employment is intended
Remuneration	up to E13, see Entgeltabelle TV-L
Annual leave / compensatory time off	30 days (24.12. + 31.12. additional day off) Overtime is compensated by additional time off
Further trainings	Individual support for in-service training and further education
Benefits	e.g. home office option, public transport discount (job ticket), bus and subway (U6) minutes from our doorstep, free parking, pension plan of the Versorgungsanstalt des Bundes und der Länder (VBL), state-of-the-art work equipment

What can you find with us?

Are you looking for a multifaceted and intellectually stimulating position in a dynamic, cooperative and innovative work environment? Then LRZ is the place to be for you! Here at LRZ a collegial, appreciative work environment meets an international crowd of experts who work together to advance IT services for ground-breaking research. We offer flexible work schemes for an optimal work-life balance. Our staff values their creative leeway. As an institute of the Bavarian Academy of Science and Humanities we offer all the benefits of public service. And of course, no wishes remain unfulfilled at the LRZ in terms of technical equipment. We share experiences, constantly review and improve our processes, and are proud that our service-quality and data-security are regularly certified and rated highly. We actively promote diversity and welcome applications from talented individuals, regardless of cultural background, nationality, ethnicity, gender and sexual identity, physical abilities, religion and age. We give priority to applications from people with disabilities who are equally qualified (SGB IX).



The LRZ in a nutshell:

Since 1962, Bavarian universities and research institutions have relied on the IT expertise of the Leibniz Supercomputing Centre of the Bavarian Academy of Sciences and Humanities. When it comes to the digital transformation of science, we are traditionally ahead of the game.

We look forward to receiving your complete application documents (including cover letter, CV and certificates) in a PDF file (other file types are not accepted) by latest **24.08.2025**

Subject: **QC-SSE (2025/29)**

Are you unsure whether the job suits you or you suit us? Or do you still have questions about this position? Our colleagues will be happy to answer all your questions.

This job does not fit? Then take a look at <https://www.lrz.de/karriere> or send us an unsolicited application!

[Here](#) you will find information about the collection of personal data during the application process.

