



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 re-search and development of integration pathways for quantum acceleration capabilities for next- generation high-performance computing (HPC) systems. Read more at [quantum.lrz.de](https://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. In the User Enablement and Applications (UEA) group, the needs and requirements of different user groups are mapped to the development of current and upcoming HPCQC services at LRZ, to ensure to make constantly the best research tools available to our users. In this environment 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 have an opening for:

### **Quantum Application and Consulting Specialist (f/m/d)**

#### ***Your Role and Responsibilities:***

- Contribute to the research and technical activities on the integration of QC into our HPC ecosystem, for use cases in the fields of quantum simulations, optimization, QML and more;
- Support the LRZ users in efficiently leveraging the novel services offered in the field of QC, taking the role of "solution architect" for them;
- Participate to the research projects where LRZ is involved as a partner and help forge new collaborations in the field of QC;
- Interface with several teams within the organization for joint projects and contribute domain-specific expertise at the crossroads between QC, HPC, AI/ML and data management;
- Support reporting project progress, publish outcomes and achievements, and address the requests of project partners.

#### ***Basic Qualifications:***

- A PhD in one of the following fields: natural sciences, computational science, physics, engineering, or mathematics;
- Good knowledge in quantum computing software and tools;
- Basic knowledge of HPC environment and system software;

- Good programming skills in a compiled programming language (C, C++, Fortran) or an interpreted programming language (Python, Julia, etc.);
- Very good communication skills and collaborative spirit;
- Very good oral presentation and writing skills in English - German proficiency desirable;
- 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:***

- For a grant project, which the candidate is expected to contribute with a fraction of the working time to, domain science knowledge in computational biology, biophysics, biochemistry, or related fields is useful, but not a must;
- Experience and interest in interacting with partners in grant projects and to align the activities towards the project's milestones and deliverables.

Area	Quantum Computing and Technologies
<b>Working time</b>	Full time (40 hrs) flexible working model with electronic time recording
<b>Term of the contract</b>	Two years, a further employment is intended
<b>Remuneration</b>	up to E 13, see <a href="#">Entgeltabelle TV-L</a>
<b>Annual leave / compensatory time off</b>	30 days (24.12. + 31.12. additional day off) Overtime is compensated by additional time off
<b>Further trainings</b>	Individual support for in-service training and further education
<b>Mobile work</b>	up to 60% of work time, when applicable
<b>Benefits</b>	e.g. JobBike, bus and subway (U6) on the 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 are looking 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 **07.11.2025**.

Subject: **QC-QACS (2025/46)**

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.



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