Looking for a place at the cutting-edge of supercomputing to grow your career? Then read on!

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 by working with cutting-edge hardware technologies. Developing the Bavarian Quantum Portal, you'll provide users with the ability to access quantum systems at LRZ and abroad with a stable, secure, easy-to-use and effective access system across different user groups and behaviors. You are pivotal in propelling Bavaria as a global quantum hotspot pushing the boundaries of innovative scientific discoveries achievable with quantum-accelerated computing.

We're actively seeking great people for:

Web Backend Development (f/m/d) for Bavarian Quantum Portal

Generally, in this position, you:
- Will assist in the backend development of the Bavarian Quantum Portal
- Collaborate with frontend developers and software developers from related projects to ensure a user-friendly experience
- Ensure stability of the portal and compliance with security standards
- Write, review, and test code following software development best practices including continuous integration

Skills you need:
- A degree in Computer Science or proven related experience in web development
- Strong skills and demonstrated experience with Python 3 and ReactJS frameworks
- Strong skills and demonstrated experience with PostgreSQL (preferred) or related databases
- Experience with Linux (Apache, Lighttpd)
- Experience with system administration is beneficial
- Demonstrated production-level experience with frontend languages (HTML, SCSS, etc)
- Great team member skills, able to work very well with others, self-starter spirit and a drive to figure things out when faced with uncertainty
- Proficiency in English, interest in learning German
- Quantum computing knowledge is valuable, but not required

What you can expect from us:

- Ample room to contribute your own ideas to an important mission. Here, your work helps to build the future of quantum and supercomputing
- On-premise access to multiple cutting-edge quantum computers, HPC testbeds and large-scale supercomputers. We work with multiple vendors, giving you a rare, broad view
- Substantial backing for large-scale R&D projects in a stable funding portfolio
- Smart, highly talented, motivated and fun teammates
- Direct-line leadership actively committed to your growth and advancement, and an organization that greatly values your contribution to our common success
- Time and a process path to pursue academic degrees aligned with your work

Area	Quantum Computing
Working time	Full time (40 hours) flexible working model with electronic time recording
Term of the contract	Until 31.12.2026, (this is an administrative restriction for grants, but extensions are already in progress)
Remuneration	up to E13, see Entgelttabelle TV-L
Annual leave / compensatory time off	30 days (24.12. + 31.12. additionally day off) Overtime is compensated by additional time off
Further trainings	Individual support for in-service training and further education
Mobile work	up to 60% of work time, when applicable
Benefits	e.g. public transport discount (job ticket), 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 Sciences 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. Candidates must provide, via email, a cover letter, a CV and copies of completed certificates. If a certificate is in the process of completion, this must be stated with its expected completion date. (**IMPORTANT**: Applications not providing the documents requested will **NOT** be reviewed and considered. Qualified applicants will be interviewed as submissions are received. Please submit by latest **31.05.2024:**

E-Mail: bewerbungen@lrz.de
Subject: **QC-WBD (2024/14)**

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 at the above e-mail address.

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

Here you will find information about the collection of personal data during the application process.