



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

HPC expert (f/m/d) to manage, optimize and deploy our HPC software stack

Your Role and Responsibilities:

On LRZ's national leadership system SuperMUC-NG and its successors CXS application support group provides the user software stack (compilers, tools, libraries, applications, ...) via `environment modules` and `spack`.

We seek an expert to:

- Coordinate the development of the software stack among the team
- Automatize compilation and deployment
- Automatize testing to ensure correctness, quality and performance
- Develop strategies to manage a broad variety of current and future system architectures including accelerators

Basic Qualifications:

- Basic HPC knowledge: How to use compilers, libraries, MPI, OpenMP, SLURM, ...
- Software building tools: GNU make, CMake, autotools, ...
- Version control systems (`git`)
- Python and any high-level programming language (C, C++, Fortran)
- Solving problems in a team
- Enthusiasm and persistence

Preferred Qualifications:

- Working with `environment modules`
- Working with `spack` and/or `easybuild`
- CI/CD with Gitlab/Github
- Testing and benchmarking frameworks
- Working with containers

This is what you can expect from us:

- Access to latest AI and HPC hardware (CPUs, GPUs, accelerators)
- Working with technology providers and developers (hardware/software)
- National and European collaboration partners and projects
- Friendly, open and international work environment
- Opportunities to develop your own ideas



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| Area | HPC application support |
| Working time | full time (40 hrs) / part-time possible flexible working model with electronic time recording |
| Term of the contract | 24 months, a further employment is intended |
| Remuneration | up to E 13, 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 |
| 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 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 single PDF file via e-mail (other file types are not accepted) by latest **26.11.2023**:

E-Mail: jobs@lrz.de
Subject: **HPC (2023/44)**

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.