



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

## Software Developer (m/f/d) in Research Data Management

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

- You contribute to the project InHPC-DE as a software developer, helping to standardise data and metadata handling within the GCS association of the largest German supercomputing centres:
  - Petabytes of data are waiting to be transferred each year and to be made publicly available. Data publication shall be enabled right from the GCS systems, minimising the needs of moving data elsewhere.
  - You contribute to a Python-/Jupyter-based tool for high-performance, fault-tolerant data transfer, based on existing best-of-breed backend technologies.
  - You develop software components for data publication. The goal of this part is the uniform collection of metadata for datasets at the three GCS sites, and the publication of these (meta-)data via data portals (similar to [www.zenodo.org](http://www.zenodo.org)) and search engines.
- In the framework of German National Research Data Infrastructure projects (Nationale Forschungsdateninfrastruktur, NFDI) you will leverage this experience to develop architectures for distributed data access. You will work with the LRZ Research Data Management Team (part of LRZ Research), and help to support users. Thus, you gain deep insight into the German and European supercomputing ecosystem and integrate your development in this context.
- You work at the interface between Research Data Management and HPC infrastructure, in a team of very committed young colleagues as well as senior colleagues.

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

- Master's degree in computer science, engineering or any natural science
- Interest in data management
- Interest in small/medium software projects enhancing our IT infrastructure
- Significant experience with Python, bash and git
- Practical experience in software engineering
- Ability and dedication to work independently
- Very good knowledge of English or German

### ***Preferred Qualifications:***

- Experience with tools for container-based virtualisation (e.g. Docker)
- Knowledge in data management
- Experience in HPC, scientific computing, or data science

<b>Area</b>	Research Data Management
<b>Working time</b>	full time (40,1 hrs) / part-time possible flexible working model with electronic time recording
<b>Term of the contract</b>	31.12.2023, a further employment is intended
<b>Remuneration</b>	possible until E 13, see <a href="#">Entgelttabelle TV-L</a>
<b>Annual leave / compensatory time off</b>	30 days (24.12. + 31.12. additionally day off) Overtime is compensated by additional time off
<b>Further trainings</b>	Individual support for in-service training and further education
<b>Benefits</b>	e.g. home office option, 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 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 digitisation of science, we are traditionally ahead of the game.

## **You can count on us! Can we count on you?**

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 **19.06.2022**:

E-Mail: [jobs@lrz.de](mailto:jobs@lrz.de)  
Subject: **FDM (2022/33)**

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.