

**Are you looking for a new professional challenge?  
Then this is the place to be!  
Become part of our international team!**



19 May 2022

The Zuse Institute Berlin (ZIB) is a non-university research institute under public law of the state of Berlin. We conduct research and development in applied mathematics and computer science as well as the analysis and processing of complex data in conjunction with high-performance computing.

Within the department “Digital Data and Information for Society, Science, and Culture” we are offering a

**Research Position (f/m/d)  
Research Engineer / Software Engineer  
Reference Code WA 17/22  
Pay Grade 50 % - E13 TV-L Berlin**

for a period of 2 years with the option of extension.

### **The Project**

For the BMBF funded research campus MODAL we are looking for a candidate for the development and implementation of an IT infrastructure and the necessary algorithms for the analysis of related scientific data. This project is focused on the information service swMATH.org, which is a repository indexing over 40.000 mathematical research software items.

The goal is to develop and establish new and innovative strategies to make mathematical research software accessible and usable for the scientific community according to the so-called FAIR principles. This will be done together with the mathematical community to support the visibility and impact of developing and sharing research software as integral part of the creative scientific process.

### **Your Tasks**

- Develop and implement the technical infrastructure needed to realize and integrate services for the research community within the swMATH context.
- Develop and implement workflows for data integration and processing.
- Perform data-collection, curation and integration in the context of swMATH.
- Collaborate with the mathematical research community to facilitate the recognition of research software as scientific achievement.
- Investigate, design, and implement solutions for ensuring long-term availability of mathematical research data.

## Your Profile

- **Education:** We require an above average Master's degree in Computer Science, Mathematics, Physics, Engineering or a related field.
- **Experience and Knowledge:** We expect significant experience in collaborative software development in PHP or Python, hands-on experience with web-services and real-world data analysis, experience in professional or Open-Source software development is a plus.
- **Languages:** You need to have excellent communications skills (writing, speaking) and working proficiency in English.
- **Personality:** We are looking for a strong team player with affinity for research and a focus to see things working in practice. We expect methodical and conceptual strength and creativity.

**We offer** a family-friendly working environment through flexible working and meeting times, excellent equipment and an interesting, challenging professional environment within a small and very experienced interdisciplinary team.

## Additionally, we offer

- a multifaceted, future-oriented and demanding field of activity,
- support in professional development – **writing a project related dissertation is possible**
- an additional pension scheme (VBL),
- 30 days annual leave, flexible working hours (flexitime),
- a salary in accordance with TV-L (Collective Agreement for the Public Service of the Federal States), taking into account the relevant professional experience,
- an end-of-year bonus,
- discounted BVG (public transport) ticket as part of the capital city allowance,
- and the use of canteens and sports programs of the Freie Universität Berlin (FUB) at reduced rates.

Applications from women are explicitly encouraged, as women are underrepresented in the field of scientific computing and ZIB is striving to increase the proportion of women in this area.

People with severe disabilities are given preference if they have the same qualifications.

To apply, please send your full application, including a CV in tabular form and the standard supporting documents, in PDF format to [jobs@zib.de](mailto:jobs@zib.de) by **19 June 2022** (date of receiving), quoting the reference number **WA 17/22**.

Our private policy statement regarding application data is available at [www.zib.de/impresum](http://www.zib.de/impresum).

For more information about the job, please visit [www.zib.de](http://www.zib.de) or contact PD Dr. Tim Conrad. (Email: [conrad@zib.de](mailto:conrad@zib.de)) or Prof. Dr. Thorsten Koch ([koch@zib.de](mailto:koch@zib.de)).

For further job offers please visit our website at [www.zib.de/jobads](http://www.zib.de/jobads).