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

ZIB
ZUSE INSTITUTE BERLIN

07. October 2021

The Zuse Institute Berlin (ZIB) is a non-university research institute under the public law of the state of Berlin. We conduct research and development in applied mathematics and practical computer science as well as analysis and processing of complex data in conjunction with high-performance computing.
Within the research group "Bioinformatics in Medicine" of the department "Visual and Data-Centric Computing" we are looking for three

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**Scientific Employees / Postdocs (f/m/d)
either as research engineers or software engineers
Reference Code: WA 53/21
Pay Grade: E13 or E14 TV-L Berlin, depending on qualification (100%).**

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With an opportunity to start at the earliest possible date, these vacancies offered are fixed-term contracts for 2 years, with the possibility of an extension for another 3 years.

Your Project

In the DFG-funded consortium "Mathematical Research Data Initiative" (MaRDI), new and innovative strategies will be developed and established to make mathematical research data accessible and usable for the scientific community according to the so-called FAIR principles. Mathematical research data include databases for special functions or various mathematical objects, such as models and algorithms or even software tools. Together with the mathematical community, methods and tools will be developed in the individual subprojects of the consortium to implement the FAIR principles for mathematical research data.

Your Tasks

- Collaborating with the mathematical research community to facilitate a culture of reproducible data-driven research
- Applying knowledge of relevant research domains along with expert coding skills to develop industrial-grade solutions (POC, MVP, fully deployed solution) and products (platforms and frameworks)
- Developing and implementing the technical infrastructure needed to realize and integrate services for the research community
- Developing and implementing workflows for data integration and processing
- Reporting and presenting development work clearly and efficiently, both verbally and in writing

Your Profile

- MSc or PhD in Computer Science, Mathematics, Physics, Engineering or a related field with excellent grades

- Significant experience in collaborative software development in Java/JavaScript, Python or C/C++
- Hands-on experience with web-services and real-world data analysis
- Experience in professional or Open-Source software development is a plus
- Experience with distributed systems and HPC is a plus
- Excellent communications skills (writing, speaking) and working proficiency in English

We are looking for strong team players with the affinity for research and a focus on seeing how things work in practice. We expect methodical and conceptual strength and creativity.

You will get the opportunity and support to develop your professional skills and, if applicable, earn a doctoral degree, while working on the project.

We are offering a friendly working atmosphere with flexible work and meeting times, excellent equipment, and a challenging professional environment

as well as

- comprehensive training in a competent and cooperative team,
- 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.

Although this position advertised is full-time, a part-time agreement is also possible.

Female applicants are highly encouraged to apply. Since women are underrepresented in the field of scientific computing, the ZIB is trying to increase the proportion of women in this area.

Applicants with disabilities will be given preference if equally qualified.

Please send your full application, quoting the reference code **WA 53/21**, including a cover letter, a CV and the standard supporting documents in pdf-format by **31. October 2021** (date of receipt) to: jobs@zib.de.

Our privacy statement regarding application data is available at www.zib.de/impressum.

For further information about this vacancy, please refer to our website www.zib.de or contact PD Dr. Tim Conrad (conrad@zib.de).

For further job offers please visit our website at www.zib.de.