

12.05.2022

## Job advertisement No. 28/2022

As the German National Library of Science and Technology our future-oriented services ensure the infrastructural requirements for a high-quality supply of information and literature for research in science and industry. With the Open Research Knowledge Graph ([ORKG](#)), we are working to revolutionise the exchange and use of scientific knowledge in the digital age.

The [Technische Informationsbibliothek \(TIB\)](#) – Leibniz Information Centre for Science and Technology – Program Area C, Research and Development, is looking to employ a

### Research Software Engineer (m/f/d)

to work in the [Data Science & Digital Libraries Research Group](#) (Prof. Dr. Sören Auer) at the next possible date.

The position is initially limited to three years with envisioned extension and possibility to make the position permanent. The regular weekly working time is 39.8 hours (full-time). The remuneration is based on [pay scale group 13 TV-L](#).

#### Your primary and secondary work areas

- Open Research Knowledge Graph ([ORKG](#)) – Primarily, you will be a member of the [ORKG team](#) and drive the development of the ORKG back end, which is written in Kotlin, within the Spring Boot 2 framework, builds on Neo4J and other database systems and exposes content and functionality through a RESTful API.
- Secondly, you may support software development and projects in numerous areas, including Research Data Management and the [NFDI](#) initiative to establish a national research data infrastructure (e.g. [NFDI4Ing](#), [NFDI4DataScience](#)).

#### Your qualities

Your competence area should be squarely rooted in software engineering or related fields. You should be able to think creatively, grasp new knowledge quickly, be able to design and develop innovative software systems as well as be interested in mastering complex challenges. You will be responsible for developing innovative and mature information services for the TIB stakeholders in Science and Technology.

#### Requirements

- Successfully completed university degree (Master or comparable) in a relevant field of study such as computer science or informatics
- Excellent knowledge of modern programming languages and frameworks (esp. Java, Kotlin, Python, Spring Boot, React), database technologies (esp. graph databases such as Neo4J as well as classical relational databases, in particular PostgreSQL) and software engineering methods (esp. Agile, DevOps, Test Driven Development, etc.)
- Demonstrated, multi-year experiences with software development in large (industrial) teams (including proficiency with relevant tools such as Git)
- Familiarity with Semantic Technologies, Knowledge Graphs, Data Management, Human-Computer Interaction, Natural Language Processing (NLP), Artificial Intelligence, Data Analytics or Digital Libraries is an asset
- Proficiency in spoken and written English and excellent communication skills
- Command of the German language is a plus.

### What we offer

Our mission is to keep rethinking and innovating the provision and use of research data and information. In [TIB's Research and Development Department](#), you have the opportunity to advance your career in a sizable, dynamic and excellent environment. We provide a scientifically and intellectually inspiring environment with an entrepreneurial mindset embedded in a [leading technical university](#) and one of the largest technical information centres being part of the [Leibniz Association](#). TIB collaborates closely with the L3S Research Centre at Leibniz University Hannover, one of the world's leading research institutes in the field of Web & Data Science, within the Leibniz [Joint Lab](#) Data Science & Open Knowledge. Last but not least, we attach great importance to an open, creative and fun work atmosphere.

### Furthermore, we offer

- Financing for necessary equipment, conference and research visit travel
- Work in the context of national and international research and innovation projects
- A portfolio of technology components, including [ORKG](#), [OpenResearch.org](#), [TIB AV-Portal](#), [DBpedia.org](#), among others
- A modern workplace in a central location of Hanover with a collegial, attractive and versatile working environment
- A comprehensive and in-depth training
- Flexible working hours (flexitime) as well as [offers for reconciling work and family life](#) such as mobile work and remote work options
- An employer with a wide range of internal and external further education and training measures, workplace health promotion and a supplementary pension scheme for the public sector ([VBL](#))
- Discount for employees in the canteens of the [Studentenwerk Hannover](#) as well as the possibility to use the various offers of the [University Sports Hannover](#)
- A job in the public service oriented towards the common good with a salary in [pay scale group 13 TV-L](#) according to the provisions of the collective agreement for the public service in Germany (TV-L), including a special annual payment and 30 days of vacation per year

If you are interested, questions regarding the position can be addressed to Manuel Prinz by mail at [Manuel.Prinz@tib.eu](mailto:Manuel.Prinz@tib.eu) or Dr. Markus Stocker by mail at [Markus.Stocker@tib.eu](mailto:Markus.Stocker@tib.eu).

### How to apply

We look forward to receiving your application. To submit your application, please click [here](#).

Paper applications are also possible on an equal basis. In this case, please send your complete application documents with the subject **28/2022** before **June 10, 2022** addressed to

Technische Informationsbibliothek (TIB)  
Personalservice  
Herrn Daniel Eilers  
Welfengarten 1 B  
30167 Hannover  
Germany

or alternatively as a single PDF document file to [bewerbung@tib.eu](mailto:bewerbung@tib.eu). For applications in digital form, please send a PDF file with a maximum size of 10 MB.

In the case of foreign university degrees, it is mandatory to submit a Statement of Comparability from the Central Office for Foreign Education (ZAB) for the final assessment of the hiring requirements during the hiring process ([link for more information](#)). A fee will be charged for this. This obligation does not apply if the foreign university degree has already been assessed by an expert and is listed in the ANABIN database of the ZAB as an equivalent university degree ([link to ANABIN database](#)).

### Who we are

TIB, being part of the Leibniz Research Association, is with around 600 employees one of the largest technical information centres in Germany, having three main functions:

1. Acting in the capacity of the Leibniz Information Centre for Science and Technology, our forward-looking services secure the infrastructural requirements for providing researchers in science and industry with high-quality information and literature.
2. Carrying out cutting edge research to further expand TIB's role as a German information centre for the digitisation of science and technology.
3. Offer library services for the Leibniz University Hannover.

TIB is an equal opportunity employer, providing ideal working conditions, and continuously taking action to enable its employees to combine career interests with family life.

Severely disabled candidates with comparable qualifications will be given preferential treatment. We welcome applications from all nationalities.

Please note that your application documents will not be returned and application and travel costs cannot be reimbursed.

Please indicate in the subject line of your application through which job board you became aware of our offer.

For more information about the TIB, please visit: [www.tib.eu/en/](http://www.tib.eu/en/)