

At our **Kiel** or **Hamburg** location, we are offering a position at the earliest opportunity to join our team in the field of Open Science

SOFTWARE ARCHITECT AND ENGINEER

for innovative Research Data Infrastructures

Candidates are supposed to contribute to infrastructure projects such as the BERD Consortium of the National Research Data Infrastructure (NFDI). Salary is based on remuneration group 13 in accordance with the collective [wage agreement for the federal states](#) (Tarifvertrag der Länder) (full-time, currently 38.7 hours/week). According to § 2 section 2 of the federal law of Wissenschaftszeitvertragsgesetz (WissZeitVG), the position is limited until 30.09.2026 according to the project period. There is the possibility to combine it with a PhD in computer science.

Your tasks...

- Development work in the context of an information portal (design and implementation of front- and backend) to support the management of digital scholarly resources in close exchange with the scientific community
- Software development of an architecture with integrated core functionalities (e.g., harvest, store, search, access)
- Integration of external interoperable services and data sources, including orchestration of services
- Quality assurance and transition of prototype developments to a productive environment
- Development of data management solutions, e.g. secure data transfer, remote access, and exchange with other information infrastructures
- Documentation and publication of project results

Your profile...

Essential:

- A higher education degree in computer science, information technology or a related technical discipline (i.e. a Master's degree, Diploma or comparable degree from university or university of applied sciences)
- Coding experience in the development of web-based software solutions or solutions based on web services
- Conversational language skills in German or English (speaking and writing)

Desirable:

- Experience with user-driven requirements engineering or agile software development methods (z.B. Extreme Programming, SCRUM)
- Experience with state of the art software management approaches (e.g. continuous integration, container technologies, code management)
- Knowledge of software architectures for distributed systems
- Knowledge in the development of web-based information portals
- Knowledge of web-based user interface development
- Knowledge of tools for collecting, storing, and re-distributing digital resources, preferably as open source (e.g. Invenio, DSpace)
- Knowledge or interest with respect to semantic technologies
- Knowledge about access protocols like OAI-PMH or communication protocols like REST or SOAP
- Analytical thinking and result-oriented work style
- Willingness to learn new programming skills and data science methods
- Ability to work cooperatively and committed in a team but also independently and self-responsible
- Communicative, interdisciplinary and intercultural competence as well as willingness, to engage with different stakeholders
- Interest in shaping the digital transformation and Open Science

Readiness for occasional daily business trips to / from the other ZBW location and for business trips in general is expected.

We offer...

- Ambitious and manifold tasks in a modern and international research environment
- Exciting opportunities in a dynamic and innovative environment in which cross-departmental teamwork, transparency, open innovation processes and continuous further training are indispensable,
- Old-age provision for the public sector (VBL)
- A subsidised job ticket for public transportation
- A job on the firth of Kiel or the inner Alster of Hamburg in a pleasant [team](#)
- Part-time employment (upon request)
- [Equal opportunities and reconciliation of work and family life](#)

The ZBW – Leibniz Information Centre for Economics is a research-based information infrastructure for economics and is a member of the Leibniz Association. The institution is one of the largest of its kind in the world and accommodates more than 4 million media units. It also provides access to approximately 2.2 million digital full texts. The ZBW is scientifically affiliated to the University of Kiel, Christian Albrecht University (CAU). The research of the ZBW in computer science focuses especially on the research fields of Digital Information Infrastructures, Information Retrieval and Web Science.

In our program area Digital Information Infrastructures, applied research and development projects are carried out both on a national and European level. The focus is on information infrastructures for the management of digital scholarly resources. The information resources (e.g. publications, research data) are intended to be made systematically available across disciplinary and national boundaries. The ZBW contributes as an infrastructure partner to dedicated research and development projects funded by the DFG or BMBF, such as consortia of the National Research Data Infrastructure (NFDI).

Do you feel encouraged?

Please take the next step and apply online (ID no. D3-12).

Do you have questions?

Please do not hesitate to contact Professor Klaus Tochtermann (k.tochtermann[at]zbw.eu).

Health is our top priority. In the light of the current pandemic situation, we'll be conducting interviews remotely via video conferencing.

ZBW endeavours to increase the proportion of women in this field and therefore urges women with the appropriate qualifications to apply. Women will be given priority in the case of equal suitability, competence and professional performance.

Diversity is one of our core organisational values. We therefore welcome applications regardless of nationality, ethnic or social origin, religion or belief, age, sexual orientation or identity.

ZBW is committed to the employment of people with disabilities. Severely handicapped persons and persons of equal status are given preferential treatment if they are suitably qualified.

For more guidance on our application process, please visit our [careers web page](#).

Please submit your application with the relevant documents (such as cover letter, diplomas, certificates, or references) online by **September 14th, 2022**. Please do not submit a photo with your application.

We are looking forward to getting to know you!

APPLY NOW