



IT.SERVICES:

Forschung und wissenschaftliche Informationsversorgung - Research Data Management

We are offering a part-time/full-time (39.83 hours/week = 100%, part-time employment possible) fixed-term position at the earliest possible date for a

Full-Stack Software Engineer (m/f/d) for Research Data Management (TV-L E13)

Research data management (RDM) encompasses the collection, processing and sustainable provision or publication of data that is used, generated or processed in the context of research. Research data management thus serves the sustainability of research, supports interdisciplinary collaboration and lays the ground for the future, innovative use of data in the context of machine learning and artificial intelligence.

The Research Data Services (RDS) team at Ruhr-Universität Bochum (RUB) is a cross-institutional team in which the central operating unit IT.SERVICES and Bochum University Library work together. The RDS team supports researchers in the emerging field of research data management by providing infrastructure as well as training and consulting offers. In the context of RUB's strategy for the future of research data management, this infrastructure, service and consultancy will be comprehensively and sustainably expanded over the next years. In this context, the team is currently being strengthened by a total of five staff positions.

At the heart of this RDM infrastructure is the ReSeeD web service (<https://datarepository.ruhr-uni-bochum.de/en/>). ReSeeD was put into operation at RUB at the end of 2023 and is used for the continuous storage and management of data collections from research. It supports researchers in storing their research data in a structured way, describing it with metadata and making it permanently available. Users operate in ReSeeD via a web interface and are guided through definable workflows.

ReSeeD is open source (<https://gitlab.ruhr-uni-bochum.de/researchdata/rdms>) and essentially builds on software components that are supported and maintained by the Samvera community (<https://samvera.org/>) by providing upgrades, bug fixes and new functions. The most important components in ReSeeD are Hyrax (<https://github.com/samvera/hyrax>) and Bulkcrax (<https://github.com/samvera/bulkcrax>). The implementation at the RUB is adapted to the S3 storage technology available in-house. ReSeeD will be developed considerably over the next few years and adapted to the needs of users.

Umfang: Full-time

Dauer: Temporary, six years

Beginn: At the earliest possible date

Bewerben bis: 31.03.2024

Your tasks:

- Conception, planning and implementation of the further development and customization of ReSeeD, including:
 - Worktypes, workflows and user interface for individual large user groups from research
 - Release upgrade of software components
 - User and data store management
- Implementation of pilot operation and testing of the developed components
- Connection of external software systems to ReSeeD via APIs
- Collaboration with external service providers
- Co-development, networking and trend scouting within the participating open source communities

Your profile:

- Several years of experience in programming in a common programming language and web framework technology (full stack), full-stack software engineer
- Confident handling of management tools in software development and versioning such as Gitlab or Github.
- Sound knowledge of JavaScript, HTML and CSS
- Sound knowledge in the conception and implementation of databases
- Experience with Ruby on Rails (ROR) and Docker is an advantage
- Working with S3 API is an advantage
- Experience in CI/CD is an advantage
- High level of communication skills, commitment and ability to work in a team
- Very good written and spoken English skills

We offer:

- The possibility of part-time employment
- Collaboration in an experienced team with high impact
- Extensive creative freedom in the development of a future-oriented topic
- Scope for your own project ideas
- Flexible working hours under family-friendly conditions
- Option of remote working (up to 60% of working hours)
- Wide range of further training opportunities, especially on Hyrax / Samvera and ROR
- The opportunity to attend national and international conferences and workshops
- The possibility of part-time employment

Ruhr-Universität Bochum (RUB) is one of the leading research universities in Germany. As a reform-oriented campus university, it uniquely combines the entire range of major scientific disciplines in one place. The dynamic coexistence of subjects and subject cultures offers researchers and students alike special opportunities for interdisciplinary cooperation.

RUB stands for diversity and equal opportunities.

We therefore promote cooperation between heterogeneous teams and the career paths of people who are underrepresented in the respective fields of work. RUB expressly encourages applications from women. In areas where they are underrepresented, they will be given preferential consideration if they have the same qualifications. Applications from people with disabilities are also very welcome.

Further information:

Employment is on a salaried basis and is governed by the collective agreement of the federal states (TV-L). If you meet the personal and collective agreement requirements, you will be placed in pay group E 13 TV-L.

Further information can be found at: <https://oeffentlicher-dienst.info/>

Contact persons for further information:



Dr. Johannes Frenzel , Tel.: +49 234 32 28622

Dr. Nina Winter , Tel.: +49 234 32 29935

Travel costs, accommodation costs and loss of earnings or other application costs for job interviews can unfortunately not be reimbursed.

We look forward to receiving your application, quoting **ANR 2984**, by **31.03.2024** via our online application portal:

<https://jobs.ruhr-uni-bochum.de/de/jobposting/6837d9f3925f8c20875a2feb9ec2ed9e0751c4e50/apply?ref=homepage>