

The BOKU Core Facilities, Core Facility Bioinformatics is currently seeking a

Research Data Infrastructure Engineer

(Reference code 212)

Extent of employment: 40 hours per week

Duration of employment: 1st of December 2025, limited to 2nd of May 2028

Workplace: 1190 Vienna

Allocation in compliance with the Collective Agreement for University Staff to job group:
IVa

Gross monthly salary: (depending on previous eligible experience) at least: € 3.390,30
(payable 14 times per year)

Responsibilities

- Plan, coordinate, implement and deploy research data management (RDM) tools and services across the entire data life cycle
- Expand and integrate digital services enabling the processing and analysis of diverse data types, ensuring interoperability and automation
- Develop and maintain CI/CD pipelines, Infrastructure as Code and GitOps practices for reproducible deployment of applications, services and storage solutions
- Containerize research applications and services using Docker, Singularity/Apptainer and deploy on Kubernetes clusters or other container orchestration frameworks
- Implement, manage and extend open-source solutions for high-performance computing and data management (e.g. iRODS, Galaxy, electronic lab notebooks)
- Design and develop APIs for automation, integration and interoperability with existing IT systems
- Work closely with the BOKU-IT and the Research Support, Innovation & Technology Transfer teams to implement authentication, encryption and monitoring solutions, as well as to establish backup and disaster recovery strategies for critical data and services
- Procure, deploy and manage hardware and software resources within the university IT ecosystem
- Provide consulting, training and technical support to researchers, data stewards and IT staff
- Conduct demonstrations, workshops and hands-on sessions to facilitate knowledge transfer

- Document best practices, workflows and technical procedures to support long-term maintainability

Desirable skills and qualifications

- Minimum academic qualification: MSc in Computer Science, a related field or equivalent experience
- Advanced Linux system administration experience
- Proficiency with relational databases, such as MySQL and PostgreSQL
- Strong software development skills, including architecture, design, implementation, testing, debugging and code review, primarily in Python; additional languages (e.g. JavaScript) are a plus
- Experience contributing to or managing open-source software projects
- Solid understanding of software development best practices and methodologies, including agile project management, test-driven development, version control and code refactoring
- Demonstrated ability to gather, document and analyze technical requirements effectively
- Excellent teamwork, communication and organizational skills
- Experience with web development and designing web interfaces is advantageous
- Language skills: Fluent in English (spoken and written); knowledge of German is advantageous

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Publication date: 13th of October 2025

Closing date for applications: 3rd of November 2025

Please send your job application incl.

- Motivation letter
- CV
- Certifications (optional)
- Minimum one Reference

to Personnel Management, University of Natural Resources and Life Sciences,
Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: recruiting@boku.ac.at. **(Reference code: 212)**

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

www.boku.ac.at