UNIVERSITY OF COLOGNE

Infrastructure DevOps Developer (f/m/x)

Regional Computing Center (RRZK)

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive for students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration.

The German Human Genome-Phenome Archive (GHGA) is a project of the NFDI with the goal to archive human high-throughput sequencing data and make them available for secondary research. The University of Cologne is one of seven GHGA data hubs that will store genomic data. It will also provide a technical platform for the genomDE project. For the development, installation and operation of the GHGA storage infrastructure, the University of Cologne looks for an Infrastructure DevOps Developer (f/m/x). The implementation of interfaces to the West German Genome Center (WGGC) sequencing platform in Cologne for streamlined data submission are also part of the tasks. Based at the Regional Computing Center of the University of Cologne, you will work closely with the departments for high performance computing, operation, and network. You will also join the relevant GHGA working groups.

YOUR TASKS

- » Implement secure processing environments for GHGA and genomDE based on Kubernetes and OpenStack
- » Install and operate the GHGA storage infrastructure at the GHGA Cologne data hub
- » Implement the GHGA data management technical mechanisms at the Cologne data hub
- » Contribute to the relevant GHGA working groups
- » Setup the necessary interfaces to the West German Genome Center (WGGC)

YOUR PROFILE

- » Completed university degree in computer science or in a related subject as well as several years of relevant professional experience
- » Basic Knowledge in network configuration
- » Knowledge about the S3 interface
- » Good German and fluent English, spoken and written
- » Open-minded and motivated with a can-do attitude
- » Advanced experience with Linux systems

Helpful but not required
- » Knowledge about the implementation of highly secure IT infrastructure and data protection
- » Experience with Microservices and OpenStack

WE OFFER

- » An exciting project with international visibility
- » Gaining first hand experience in a variety of fields ranging from AI applications to modern web development technologies
- » Work with an interdisciplinary team of experts making a difference for the life-science research community and patients in Germany
- » Contributing within the framework of international organizations such as the Global Alliance for Genomics and Health (GA4GH), the European Genome-Phenome Archive (EGA) and ELIXIR shaping the future of genomics across borders
- » A diverse working environment with equal opportunities
- » Support in balancing work and family life
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Flexible working time models, full-time positions suitable for job sharing
- » Opportunity to work remotely

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

The position is available as soon as possible on a full-time basis (39,83 hours per week). The contract is for a fixed-term period till 30 September 2025. If the applicant meets the relevant wage requirements and personal qualifications, the salary will be based on remuneration group 13 TV-L of the pay scale for the German public sector.

Please apply online with proof of the required qualifications without a photo under: https://jobportal.uni-koeln.de. The reference number is TUV2402-12 The application deadline is 06.03.2024. For further inquiries, please contact Viktor Achter (vachter@uni-koeln.de)..