



Leibniz Supercomputing Centre

of the Bavarian Academy of Sciences and Humanities



Leibniz Supercomputing Centre (LRZ) has been at the forefront of its field as a world-class IT service and computing centre serving Munich's top universities and colleges as well as research institutions in Bavaria, Germany, and Europe since 1962. As an institute of the Bavarian Academy of Sciences and Humanities, it is dedicated to providing an optimal IT infrastructure to its customers throughout the scientific community offering the complete range of IT services and technologies as well as consulting and support – from e-mail and web servers to internet access, virtual machines, Internet of Things (IoT), cloud solutions, and the Munich Scientific Network (MWN). Being home to SuperMUC-NG, the LRZ functions as one of three national HPC centres in Germany serving as the backbone for progressive research and discovery. LRZ pursues a leading role in 'Future Computing' focusing on emerging technologies, artificial intelligence, and machine learning, as well as quantum computing. Last but not least, the AI agency located at the LRZ is significantly driving the implementation of Bavaria's AI strategy.

We are currently looking for a

Scientific Programmer (f/m/d) for IoT Research Projects

Role and Responsibilities:

- participation in real time IoT data collection via LoRaWAN, TTN, and MQTT
- definition and implementation of REST APIs for exchange of IoT sensor data
- design and implementation of a web-based user interface to InfluxDB using Grafana
- extension of automatic monitoring of data delivery and alerting with Prometheus
- virtual server management in the LRZ Compute Cloud using Ansible

Qualifications:

- experience programming in Python, shell, C,
- fluency in working on Linux systems and managing Linux servers,
- familiarity with InfluxDB, Grafana, Prometheus, Ansible, Keycloak

We offer a multifaceted and intellectually stimulating position with flexible working hours and a family-friendly atmosphere in one of the largest and most innovative scientific data centres in Europe. You will work in a dynamic, collaborative and innovative environment characterised by an excellent working atmosphere and creative leeway. If you are interested and a topic matching your work theme can be identified, a subsequent doctoral graduation is possible.

Salary and benefits are compensated according to the collective employment agreement of the German Federal States (Tarifvertrag der Länder, TV-L). Classification is based upon qualifications and assigned duties. LRZ operates flexible work schemes. Handicapped persons will be given preference to other

equally qualified applicants. As an Institute of the Bavarian Academy of Sciences, we are an equal opportunity, affirmative action employer and encourage applications from women and men alike, regardless of their social or cultural background. We would like to point out that all personal designations in this advertisement include every gender.

This full-time position will initially be limited to 31.03.2024 and is to be staffed immediately.

You can count on us! Can we count on you?

We are looking forward to receiving your complete application documents including cover letter, CV, and certificates in a **single PDF file** (other file types are not accepted) via e-mail at the latest by **16.01.2022**:

E-Mail: applications@lrz.de

Subject: **SPRT (2021/68)**

If you have open questions regarding this position, our colleagues are happy to answer them at the above e-mail address.

Please follow www.lrz.de/wir/stellen/dsgvobewerber for information regarding the EU General Data Protection Regulation and our application procedure.



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