



**Technische Universität Berlin**



Technische Universität Berlin offers an open position:

**Research Assistant - salary grade E13 TV-L Berliner Hochschulen - first qualification period (PhD candidate)**

part-time employment may be possible

**Faculty IV - Institute of Telecommunication Systems / Distributed and Operating Systems (DOS)**

**Reference number:** IV-54/25 (starting at 01/07/25 / for 5 years / closing date for applications 28/02/25)

**Working field:**

Research and teaching tasks in the research group Distributed and Operating Systems (DOS). Participation in the bachelor teaching of the chair, e.g. large lecture in the first term of Computer Science studies. Development of prototypes and experimental evaluation in the areas of distributed systems, parallel and distributed computing, cloud computing and embedded systems. Publication of research results.

**Requirements:**

- Successfully completed university degree (Master, Diplom or equivalent) in computer engineering
- Good knowledge of distributed systems, operating systems, embedded systems and cloud computing
- Experience with networked embedded systems and their virtualization
- Very good programming skills in C / Rust /Go, Java and Python
- Good understanding of hardware architectures, fault tolerance and distributed processing
- Experience in the execution of LLMs with the help of inference and serving engines like vLLM
- Experience with low-level programming and operating system architectures
- Safe handling of common tools like Git, LaTeX as well as Linux or UNIX-like systems like FreeBSD
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills
- Ability to carry out independent scientific work

**Desirable:**

- Experience in teaching and research, agile project management and iterative software development methods.

Please send your written application with the **reference number** and the usual documents (CV, list of grades, language certificates) to Technische Universität Berlin, Prof. Odej Kao: [odej.kao@tu-berlin.de](mailto:odej.kao@tu-berlin.de).

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: [https://www.abt2-t.tu-berlin.de/menue/themen\\_a\\_z/datenschutzerklaerung/](https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/) or quick access 214041.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Institut für Telekommunikationssysteme, FG Distributed and Operating Systems, Prof. Dr. Odej Kao, Sekr. TEL 12-5, Ernst-Reuter-Platz 7, 10587 Berlin

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

