Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,600 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

The field of Secure Software Engineering of the Heinz Nixdorf Institute is looking to fill a position as soon as possible for a

**Research Associate (f/m/d)**
*(pay scale 13 TV-L)*

This is a full-time position within the network project **SustAInable Life-cycle of Intelligent Socio-Technical Systems (SAIL)** funded by the state of NRW. The position is initially limited until July 31, 2024. A two-year extension is anticipated if continuation of the project is approved. The duration of employment is governed by the Wissenschaftszeitvertragsgesetz (WissZeitVG). More information about SAIL can be found online: [https://www.uni-paderborn.de/en/news-item/97752](https://www.uni-paderborn.de/en/news-item/97752). SAIL offers excellent opportunities for collaboration with Bielefeld University, FH Bielefeld University of Applied Sciences and OWL University of Applied Sciences and Arts.

The position is located within the Secure Software Engineering group, which researches methods and tools to make tomorrow’s software systems functional, fail-safe and attack-proof. The research considers questions of fundamental importance, yet is carried out in a practical manner, in cooperation with renowned international partners from science, politics and industry. One focus of the group is the design of automated methods to detect software vulnerabilities. Some of the software tools developed at the department are used by hundreds of research groups and companies worldwide.

We are looking for a scientist who wants to make an important contribution to making data-intensive systems secure and privacy-friendly. Possible research topics include, but are not limited to: static and dynamic program analysis as well as fuzz testing of AI software, and attack-proof architectures for data-intensive systems.

**Scope of work:**
- Conducting interdisciplinary innovative research in the above research area
- Contributions to the project results, to international conferences and written publications
- Participation in the activities of the SAIL network

**Hiring Requirements:**
- Very good academic master's degree in computer science, mathematics, engineering, or other relevant field
- Very good knowledge of written and spoken German or English

**We offer:**
- Exciting, highly relevant research topics with direct transfer into practice
- Collegial and family-friendly working environment (option for working remotely) with many creative possibilities
- Opportunities for networking and continuing education, in SAIL and beyond.

Applications from women are particularly welcome and, in case of equal qualifications and experience, will receive preferential treatment according to state law (LGG). Part-time employment is generally possible. Qualified disabled people (in the sense of the German social law SGB IX) are also encouraged to apply.

Applications – including cover letter, curriculum vitae, list of publications, and contact information for at least two referees – are requested preferably in a PDF-file via email with the reference number 5599 to: se-jobs.cs@upb.de.

Information regarding the processing of your person data can be located at: [https://www.uni-paderborn.de/en/zv/personaldatenschutz](https://www.uni-paderborn.de/en/zv/personaldatenschutz).