



Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we design forward-looking research, innovative teaching and the active transfer of knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,300 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 chair of Software Engineering at the Heinz Nixdorf Institute of Paderborn University is looking to fill a position for a

Software Developer (f/m/d)
(pay scale 11 TV-L)

to be filled. This is a fixed-term position funded by third parties amounting to 100% of the regular working time. The position is initially limited until 28.02.2021 by the condition of the the third-party financing.

The Software Technology Group is developing tools and methods that make tomorrow's systems safer, more functional, and more secure. Our practical research involves collaborations with renowned international partners from the scientific community, the political sector, as well as industry. Scientifically, the group is focused on designing automated code-analysis techniques for uncovering security flaws in large-scale applications.

Some of the software tools developed at the department are used worldwide by hundreds of research groups and companies.

Job Responsibilities:

The developer's role will be to head the development within the DFG project FutureSoot, a project within the DFG's funding line for Research Software Sustainability. Soot is one of the leading frameworks worldwide for conducting automated program analysis of Java and Android applications, and one of the goals of the project FutureSoot is to rearchitecture large parts of Soot such that in the future it can be more easily extended and maintained.

The tasks include in particular the Design of the architecture of the new Soot variant, the implementation of the framework in Java as well as the setup and maintenance of a test environment.

Conditions of employment:

- B.Sc. in Computer Science or in a related field
- Excellent communication skills in German and/or English
- Working knowledge in Static program analysis are an advantage
- Very good understanding of:
 - Java (language, platform, API and data-structures) and related technologies
 - Software Architecture, Design Patterns and Architectural Styles
 - Continuous integration and testing
 - Collaborative development tools (Git, Maven)

Applications from women are particularly welcome and, in case of equal qualifications and experience, will receive preferential treatment according to state law (LGG). This is a full-time position but part-time employment is generally possible. The application of suitable severely handicapped persons and persons of equal status within the meaning of the Social Code Book Ninth (SGB IX) is also welcome.

If you have any questions, please contact Prof. Dr. Eric Bodden by e-mail se-jobs.cs@upb.de.

Applications with the usual documents are requested until **18.10.2019** in a PDF file by e-mail, quoting the code number **3997**, to: bewerbungen-niwi@zv.upb.de.

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