



Paderborn University is a high-performance and internationally oriented university. 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 employees in research, teaching, technology and administration a lively, family-friendly and equal opportunity environment, a lean management structure and diverse opportunities. **Join us to invent the future!**

In the **Faculty of Computer Science, Electrical Engineering, and Mathematics** the Department of Computer Science – **Secure Software Engineering** – is seeking to fill the following position as soon as possible

## Java Open Source Software Developer (f/m/d)

(Salary level according to 13 TV-L)

for 100 % of the regular working hours. The position is limited to the three-year duration of the project. During this time, an application for an extension of the project can be submitted to the "Deutsche Forschungsgemeinschaft" (DFG, German Research Foundation). If funding is renewed, an extension of employment would be possible.

The successful candidate will lead a project to further develop the open source code analysis framework SootUp (<https://github.com/soot-oss/SootUp>). SootUp is an updated version of the globally used Soot framework, which can be used to statically analyze Java and Android software. As part of the project, SootUp will be expanded to include features that are important to the research community. Another goal is to raise awareness of SootUp within the community and establish a vibrant open source ecosystem around SootUp. The project comprises a total of three positions and is funded by the German Research Foundation (DFG) over three years as part of the e-Research Technologies program.

The Secure Software Engineering department develops methods and tools to make the hardware and software systems of tomorrow functional, fail-safe, and attack-proof. The research is practice-oriented and conducted in collaboration with renowned international partners from science, politics, and industry. One focus of the department is the design of automated procedures for finding software vulnerabilities, for example with tools based on SootUp. Software tools developed by the department, including SootUp, are used by hundreds of research groups and companies worldwide. The advertised position offers the opportunity to actively shape an exciting development project at the forefront of secure engineering research and to set it up for sustainable further development.

### Responsibilities:

- Further development and maintenance of SootUp regarding the features specified in the project and beyond (70 %)
- Management and coordination of the project in consultation with the other people involved in the project (10 %)
- Scientific communication and OSS community building in relation to SootUp (10 %)
- Co-development of a sustainability concept for the further development of SootUp beyond the project (10 %)

### Recruitment requirements:

- Solid master's degree in computer science
- A minimum of five years of full-time experience as a Java software developer
- Very good written and spoken English skills; German skills are an advantage
- Experience in active participation in OSS projects and experience in a project management role are a plus

### We offer:

- Flexible working hours and the individual option of mobile working
- Wide range of health, counseling and prevention services
- Attractive fringe benefits such as childcare facilities and sports activities
- Opportunities for internal and external training and development
- Additional benefits in accordance with the collective agreement of the federal states (TV-L), such as annual bonuses and capital-forming benefits as well as the VBL supplementary pension scheme
- An exciting mix of technical, strategic, and coordination tasks in a motivated team
- Collegial environment with many opportunities for creativity

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to state law (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is generally possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Applications with the usual documents should be sent online via the University of Paderborn application portal by **April 8, 2026**, quoting **reference number 7243**: <https://bewerbung.uni-paderborn.de/stellen/7243>.

Information regarding the processing of your personal data can be located at: <https://www.uni-paderborn.de/en/zv/personaldataenschutz>.

