Improving the Secure Software Engineering Development

Our research project AppSecure.NRW (www.appsecure.nrw) focuses on how Java developers can build their software more securely. For this purpose, we develop tools that are not just theoretical, but instead will also be applied and tested by our industry partners. Their feedback enables us to improve the existing open source software regarding the actual needs of the industry in an agile manner. For this task, we need your support! This is your chance to not only gather experience working in an agile team on open source software, but also to contribute important work for improving the secure software development and, thus, increasing the security of future software developments.

Your tasks
- You work in a team that develops an insecure demo webpage (using the spring framework). Developers shall use this website to train how to identify and fix security vulnerabilities
- You improve our security tools (e.g., static code analysis, automated tests, …)

Your Profile
- You study computer science, business informatics or a comparable course of studies
- You enjoy working on the topics of security and software development
- You have programming experience (ideally in Java)
- You are motivated and you like working self-dependently
- You are fluent in spoken and written English

We offer
- Concrete and well-defined tasks
- Practical experience through the cooperation with industry partners
- Possibility for attractive thesis
- Flexible working hours and paid vacations
- Collaboration in a dedicated and passionate team

Contact Person
Sven Merschjohann
Fraunhofer-Institut für Entwurfstechnik Mechatronik IEM
Zukunftsmeile 1, 33102 Paderborn
Telefon: +49 5251 5465-167
www.iem.fraunhofer.de

Sounds interesting?
Send your complete application documents to: sven.merschjohann@iem.fraunhofer.de