

We are Sanctuary, an emerging spin-off of the Technical University of Darmstadt working on innovative system security technologies. At Sanctuary, we develop next-generation security architectures for today's and future computing devices ranging from resource-constrained embedded devices to powerful cloud servers.

We are currently building our core development team for our office in Darmstadt and are looking for a motivated **Research Assistant (f/m/d)** to support us starting in July 2021. You will work in close collaboration with all team members, allowing you to contribute own ideas and help to shape the future of our startup.

The position is located at the Computer Science Department of Technical University of Darmstadt, at the System Security Lab lead by Prof. Dr.-Ing. Ahmad-Reza Sadeghi. The position is offered under the condition that the BMBF StartUpSecure grant is approved and is limited to 18 months. Subsequently, an employment in the spin-off is intended.

### **Your Future Tasks:**

- Be involved in the design of novel security architectures
- Contribute to our applied security research
- Lead parts of our software development efforts
- Apply and contribute to our security development lifecycle
- Opportunity to publish your work and engage with the scientific IT security community
- Supervise and coordinate student assistants

### **Your Skill Set:**

- Master's degree in computer science, information technology or related disciplines
- Very good programming skills in C/C++ (experience with Rust or Assembly is a plus)
- Experience with low-level software (operating system kernels, hypervisor, firmware)
- A security background is a plus but not mandatory
- Proficient in English or German
- Structured and independent work method

### **What You Can Expect:**

- Become part of an exciting start-up journey right from the start
- Interesting projects in which you can bring your own ideas to life
- Learn security skills from experts in the field
- Contact to big players in the security industry

The fulfillment of the duties likewise enables the scientific qualifications of the candidate.

The Technical University of Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the Technical University of Darmstadt (TV-TU Darmstadt). Part-time employment is generally possible.

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. [Here](#) you can find our privacy policy.

If you are interested in taking up a leading role in a aspiring tech start-up close to research, please send your application with the code no. and the usual attachments (cover letter, CV, scans/copies of diplomas) to Prof. Dr.-Ing. Ahmad-Reza Sadeghi ([ahmad.sadeghi@trust.tu-darmstadt.de](mailto:ahmad.sadeghi@trust.tu-darmstadt.de)), Mandy Herberg ([mandy.herberg@trust.tu-darmstadt.de](mailto:mandy.herberg@trust.tu-darmstadt.de)) and Emmanuel Stapf ([emmanuel.stapf@trust.tu-darmstadt.de](mailto:emmanuel.stapf@trust.tu-darmstadt.de)).

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