

Would you like to work with world-leading scientists on developing cutting-edge technology for securing embedded IT systems?

HENSOLDT and **Secure Elements** jointly created **HENSOLDT Cyber**, based in Munich, to address the large and growing challenges to the security of embedded IT and cyber-physical systems. Our approach is based on secure hardware designs, novel techniques for secure production, combined with mathematically proven software. This will result in a trustworthy base for highly-secure systems. **Secure Elements** is a company of leading researchers who have created highly-innovative hardware and software approaches for making IT systems fundamentally secure.

We are looking for highly motivated and talented

Operating System Component Development Engineer (junior and senior level, ID MUC-07-2018-01)

Tasks:

- Create/port components to run on top of the seL4 micro kernel, especially
 - Low level drivers for peripherals
 - Higher driver stack layers (USB, Ethernet) and libraries
 - Applications implementing customer driven use cases
- Create test plans and test cases
- Extend the continuous integration system
- Improve development tools
- Support formal verification of software modules

Skills:

- Solid background in embedded development, system programming and debugging
- Proficient in C and other high-level languages, as well as scripting languages
- Experience with micro kernel based operating systems, ideally seL4
- Understanding of processor architectures and assembly language, ideally RISC-V
- Experience with device driver development and design of driver/application stacks
- Good understanding of network protocols (TCP/UDP, TLS/SSH/HTTP)
- or good understanding of USB device classes and drivers
- Background knowledge about security and cryptography
- Interested in formal verification (Isabelle/HOL)

Work Experience:

- At senior level, at least 6 years of industry work experience
- At junior level, a degree in computer science or related

A modern, open plan offices and a dynamic spirit team with many benefits and opportunities is waiting for you!

Apply now or contact us to learn more about this software developer opportunity.

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