Embedded Software Developer – Secure Software IP (m/f/d)

Ready to join the future of innovation in Crypto & Security at NXP?

Become part of a highly talented and dynamic team that develops and tests state-of-the art secure cryptographic libraries protected against physical and logical attacks which have applications across all different NXP domains and business lines (payment, identification, mobile, IoT, Automotive, Edge Processing, etc.).

The main challenge for an Embedded Software Developer in this role is to find the required trade off to meet the challenging demands with respect to performance/memory footprint and particularly security for the entire NXP Security portfolio. Moreover, the Crypto Libraries have to meet various Certification Requirements up to the highest level (e.g. Common Criteria up to EAL 6+). In order to achieve this, this role requires to develop a good knowledge of various embedded architectures (in particular ARM/RiscV).

Responsibilities:
- Specification and cross-platform implementation of state of the art cryptographic algorithms and secure software based on functional requirements
- Supporting architects in design and specification of SW-countermeasures to prevent physical attacks as Side Channel and Fault Attacks
- Implementation of designed SW-countermeasures
- Collaboration with OS and Firmware teams to ensure clean and secure integration of the Crypto Software into the final product
- Working closely together with the group´s test and platform support engineers to ensure maximum product quality
- Driving and accompanying product certifications

Your Profile
- BSc., MS., or PhD in mathematics, computer science, electronic/ electrical engineering, information technology or relevant discipline
- Experience in embedded software development, using C and assembly
- A solid understanding of microcontroller architecture
- Strong debugging skills and analysis
- Experience in implementing cryptographic algorithms such as DES, AES, RSA, ECC, SHA, ... is highly appreciated
- Knowledge of hardware and software countermeasures against side channel and fault attacks is a plus
- You are a team player, you have initiative and you get results

If you are interested to find out more, please apply online or send an email to lisa.ziermann@nxp.com

We are proud to have received the Leading Employer Award 2020, which is presented exclusively only to the top 1% of employers in Austria.