

For our location in **Gratkorn, Austria**, we are looking for a

Graduate Software Tools Engineer for Secure Embedded Systems (m/f/d)

In this role you will be able to strengthen our expertise in debugging and related tools for secure embedded systems based on RISC-V architectures, supporting the NXP design teams.

Your Responsibility:

- Collaborate with senior colleagues on the complete life cycle specification/development/test/verification/documentation/maintenance of debuggers for secure embedded microcontrollers.
- Build up expertise for trace and code coverage in the context of secure embedded microcontrollers
- Interact with internal HW and SW development teams (customers) to analyse/fix issues reported by customers or detected by tests.
- Contribute to continuous improvement of software development, quality, and testing methodologies.

Your Profile:

- University degree in electronics, applied mathematics, computer science or similar.
- Understanding of embedded software development tools, e.g., gdb (The GNU Debugger or OpenOCD).
- Knowledge of microcontroller architecture know-how is essential.
- Programming skills in C/C++/python languages.
- You are a team player, and you are able to efficiently communicate with colleagues across different technical domains, locations, and cultures.

In addition, some knowledge of the following skills would be highly beneficial:

- Assembly programming
- RISC-V
- JTAG interfacing and debug targets – e.g., FPGAs
- Trace and code-coverage
- Rust programming

Please note: The successful candidate may/will be responsible for security related tasks. The assignment may/will be in scope of security certifications, therefore a conscious and reliable way of working is necessary.

For applications in Gratkorn: NXP provides market competitive compensation according to the benchmarking of the electronic and semiconductor industry. Due to the Austrian Equal Treatment Act we are obligated to state the employment group of our applicable collective bargaining agreement (CBA) "Kollektivvertrag für Angestellte Gewerbe und Handwerk und in der Dienstleistung", this position (fulltime) is graded in Employment Group IV. Your individual experiences and expectations will be considered in the application process. Moreover, we provide attractive benefits to our employees like home office, flexible working time, meal benefits and more.

Apply here: Junior Software Tools Engineer for Secure Embedded Systems (m/f/d)