

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

Junior Embedded Software Engineer - Secure IoT Firmware (m/f/d)

Join our team at the intersection of **embedded security and connected IoT devices**. As a Junior Embedded Software Engineer, you will develop firmware for secure device provisioning, OTA updates, and trusted execution environments on **Arm Cortex-M MCUs**. This role is ideal for early-career engineers who want to grow their expertise in embedded security and connected device lifecycle management.

Your Responsibilities

- Develop and test secure device provisioning firmware.
- Implement security frameworks and trusted execution solutions for Arm Cortex-M MCUs.
- Develop secure key provisioning applications using **FreeRTOS and Zephyr**.
- Develop and maintain **OTA firmware update** solutions.
- Support embedded software releases and distribution.
- Contribute to secure device management architecture.
- Collaborate with backend teams on device-related microservices.

Your Profile

- University degree in **Software Engineering, Computer Science, Electrical Engineering, or related field.**
- Strong **C programming** skills; Assembler is a plus.
- Good understanding of **32-bit microcontrollers and embedded software**.
- Knowledge of software testing and verification.
- Curious, motivated, and eager to learn new technologies.

Nice to have:

- Embedded security knowledge, including cryptography, **Arm TrustZone and secure boot**.
- Python or Groovy scripting.
- Java programming experience.
- Experience with **FreeRTOS or Zephyr**.

What We Offer

- Work on security-critical firmware for connected IoT devices.
- Hands-on experience with embedded security, TrustZone, and NXP technologies.
- Exposure to both embedded firmware and backend services.
- Flexible working time, home office, meal benefits, and additional employee benefits.

The successful candidate may be responsible for security-related tasks within the scope of security certifications. A conscious and reliable way of working is therefore required.
NXP offers market-competitive compensation based on semiconductor industry benchmarks.
In accordance with the Austrian Equal Treatment Act, this full-time position is classified in **Employment Group IV** under the applicable collective bargaining agreement ("Kollektivvertrag für Angestellte Gewerbe und Handwerk und in der Dienstleistung"). Individual experience and expectations will be considered during the application process.

Apply here: **Junior Embedded Software Engineer - Secure IoT Firmware (m/f/d)**