**Job description:**

**Required Skills:**

* Strong proficiency in **Embedded C (5+ years)**
* Experience with **Hardware Security Modules (HSM)**
* Proficiency in **microcontroller programming** and low-level debugging
* Understanding of **bootloaders**, **secure boot**, and **cryptographic libraries**
* Experience with **RTOS** or real-time embedded systems
* Version control (e.g., Git), and software configuration tools

**Preferred Qualifications:**

* Strong history with Open Source tools or contributions (e.g. GitHub pull requests)
* Bachelor's or Master’s degree in Electrical Engineering, Computer Engineering, or a related field
* Prior experience in the automotive industry, especially in secure ECU development

**Responsibilities:**

* Design, develop, and test embedded software using **Embedded C**
* Work closely with hardware and system engineers to ensure secure data exchange
* Implement and validate cryptographic algorithms and secure communication protocols
* Debug and optimize software on target hardware
* Participate in software architecture design and code reviews