



Document title:

Job Description

# Embedded Software Engineer

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Date: 5/01/2022

<b>Job role</b>	Embedded software engineer
<b>Department</b>	R&D - Embedded software team
<b>Working place</b>	Aix-en-Provence - France

## Mission

In the Embedded Software team, you will have as main tasks to:

- Develop firmware of our lightweight chips aimed to cryptographic tasks, basing on specifications from business lines
- Write and run unitary tests (manual) and integration tests (automatic)
- Write Release Notes before delivering firmware to validation team
- Debug the firmware
- Deeply participate to technical studies on chips new generations and associated firmwares

## Education & skills

- Engineer graduated, you have at least 10 years of experience in developing embedded software, preferably on more than one company and / or domains
- You fluently develop using languages C, C++, Python, Assembler (AVR/ARM).
- You have a good knowledge of ISO 7816 and ISO 14443
- You have a real knowledge of PKI public key certificates
- Knowledge on symmetric and asymmetric cryptography would be appreciated
- Fluent in English

## Main interfaces

### Internally:

- Frontend / Backend development team  
Validation team
- HW Design team
- Project managers and Business Lines
- Customer support (FAE)

### Externally:

- Hardware / Software solution provider
- Final Customer

To apply, please send your CV and motivation letter exclusively by email to :  
[ipecharroman@wisekey.com](mailto:ipecharroman@wisekey.com)