



## Senior Engineer - SoC Functional Pattern

### Job description

You will be part of the pattern development team, responsible for system applications to verify compliance with Infineon's next-generation automotive micro-controller product.

In your new role you will:

- **Develop system applications** with Infineon automotive microcontroller to **verify its functional/Power/Performance compliance** with the specification.
- Bring up and **debug the applications** in various **pre-silicon and post-silicon platforms** such as simulation/emulation, bench and ATE tester.
- Provide ad-hoc support by **providing required system application patterns** to customers in the field and/or infineon internal Failure analysis teams

### Profile

You are best equipped for this task if you have:

- A good bachelor/master degree in electronics/computer engineering
- Minimum 2 years of experience in **Embedded software/firmware development (C/C++)**
- Good knowledge of **computer architecture** and **embedded software toolchain**
- Hands on experience on **debugging system/SW issue** on evaluation board using **debugger/Oscilloscope/Logical analyser** etc.
- **Object-oriented design mindset** and **working on multithread RTOS** in the past.
- Familiar with embedded system peripheral protocols and device driver such as SPI/UART/PCIe/ETH etc.
- Proficient in one of the script language, such as python, perl, tcl etc.
- Be able to debug SW in pre-silicon environment such as simulator/emulator with signal/waveform is a plus.

### At a glance

Location: **(Singapore)**

Job ID: **333098**

Start date: **Jan 03, 2022**

Entry level: **3-5 years**

Type: **Full time**

Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **333098**

[www.infineon.com/jobs](http://www.infineon.com/jobs)

