



Senior Staff Software Engineer

Job description

The Infineon Internet of Things (IoT) team is looking an energetic and enthusiastic software engineer with proven industry record to join the software application team. In this role, you will be working with a team of world class engineers developing and supporting advanced IoT Technologies including industry leading Wi-Fi, Bluetooth, BLE, 802.15.4 and MCU solutions. Ideal candidates are seasoned engineers with a background in embedded system and networking who are excited about wireless networking. You must thrive when faced with challenges, and take satisfaction in managing and solving multiple complex issues simultaneously.

In your new role you will:

- Develop and enhance Infineon's solution including system BSP, bootloader, operating system, device driver, 802.11 WLAN driver, firmware and applications
- Work with software and hardware teams on board bring-up, power management, and low-level debug
- Direct customer interface to understand requirements and to provide software or system solutions
- Work with customers to integrate Infineon's IoT solution from design to production
- Resolve system level performance, size, and memory, I/O issues
- Software debug and feature development

Profile

You are best equipped for this task if you have:

- 5+ years of experience on a similar role
- Educational background in Computer Science or Electrical Engineering
- Strong in C/C++ and familiar with ARM assembly language
- Experience developing device driver (such for PCIe, DMA, I2C, USB, and similar peripherals) that interacts with the HW
- Strong knowledge of bus protocols such as SDIO, PCIe, USB, UART, I2C, SPI, etc.
- Experience with ARM Cortex M4 and M0+, and low-power SoCs
- Excellent debugging skills – knowledge of debuggers, JTAG, USB/PCIe bus analyzer, Logic Analyzers, wireless sniffer, and oscilloscopes
- Strong working knowledge of interrupt handling in the device driver and issues surrounding DMA/Cache/SMP etc

At a glance

Location:

Job ID: **352424**

Start date: **Aug 02, 2022**

Entry level: **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: **352424**

www.infineon.com/jobs



- Experience developing for real time operating systems (RTOS), ThreadX, QNX, Linux
- Experience with communication protocols such as WiFi, Bluetooth, 802.15.4
- Able to work with customers and multi-geographic teams.
- Excellent writing and verbal communication skills.

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

Cypress Semiconductor Corporation is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws. Applicants with questions about access or requiring a reasonable accommodation for any part of the application or hiring process should contact the Talent Network by phone at (408) 503-2194.

Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and successful completion of a background check and drug test, and signing all your onboarding documents .

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

IMPORTANT NOTICE:

Infineon is requiring all new U.S. employees and contractors to be fully vaccinated against COVID-19. Full vaccination is defined as two weeks after both doses of a two-dose vaccine or two weeks since a single-dose vaccine has been administered. Anyone unable to be vaccinated, either because of a sincerely held religious belief or a medical condition or disability that prevents them from being vaccinated, can request a reasonable accommodation.

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.

#LI-GS1

