



Senior Staff Engineer Firmware, Wireless SoC

Job description

Connected Secure Systems is seeking a Talented Sr. Staff Engineer Firmware to lead the FW aspect of system features : including analyzing the FW requirement, evaluating impact to/correlation with FW, design and coding of the features, unit testing and guide on SVT testing. Join us and apply today!

In your new role you will:

- Work closely with modem/RF design/DVT teams in RF device driver development, FW and RF/modem/Mac interaction.
- Working with ASIC team in such areas as I/O peripheral integration, power optimization, audio integration
- Working on performance enhancement in BT/WLAN/Zigbee/LTE coexisting systems
- **Very strong coding skills in C, C++ required** . Assembly (preferably ARM) highly desirable. Scripting languages (Perl, Shell, Python) is a plus.
- **Expertise in firmware/software in embedded systems** such as multithreaded RTOS, developing FW for systems with limited resource, FW patching for SoC solutions required.
- **Experience with device driver, FW control of Mac/Modem/RF HW** is a plus.
- Experience with wireless standards highly desirable, such as Bluetooth, Wifi, 802.15.4/Zigbee.
- Experience with makefile, Linux/Unix environment a plus.
- Experience with logic analyzer, BT/wifi protocol analyzer/sniffer required, oscilloscope, signal analyzer/generator tools a plus.
- Some understanding of wireless HW/systems is a plus, such as DSP, RF, Modem, audio processing.

Profile

You are best equipped for this task if you have:

- 12+ years of the Software/Firmware development in embedded systems, preferably in wireless communication, is highly desirable.
- Master's degree in CS/CE/EE highly desirable
- Strongly desirable is the ability to own up and lead the FW aspect of system features : including analyzing the FW requirement, evaluating impact to /correlation with FW, design and coding of the features, unit testing and guide on SVT testing.
- **Must be self motivated, takes initiative in problem analysis, and debugging**

At a glance

Location: **Irvine, CA (United States)**
Job ID: **348324**
Start date: **as soon as possible**
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: **348324**
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- Must have excellent communication skills.

The Connected Secure Systems (CSS) segment offers comprehensive systems for a secure, networked world with a portfolio built around reliable, trendsetting microcontrollers as well as wireless connectivity and security solutions. Over the past decades, CSS has developed microcontroller, Wi-Fi, Bluetooth and combined connectivity solutions (known as connectivity combos) and hardware-based security technologies. The products are used in a broad range of applications: from consumer electronics, IoT and home appliances to IT equipment, cloud security and networked cars all the way to credit and debit cards, electronic passports and IDs. With its leading technologies in the areas of computing, connectivity and security, CSS makes a decisive contribution to protecting today's and tomorrow's networked systems.

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.

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