



Principal SoC Verification Engineer

Job description

Connected Secure Systems is searching for a Principal SoC Verification Engineer to participate in block/chip/system level test plan development and execution

In your new role you will:

- Participate in block/chip/system level test plan development and execution
- Work with ASIC designers and architects to produce thoroughly verified, robust SoCs, and ensuring subsystems and IPs are properly verified
- Oversee verification for the IP/Chip/System and driving functional and code coverage closure
- Define verification strategy (Constrained random, Formal, Directed etc.) for IP /Chip/System level verification
- Actively participate in cross-functional collaboration with design, software and hardware teams to ensure a successful product delivery

Profile

You are best equipped for this task if you have:

- 10+ years of industry experience
- Good understanding of **ASIC design** and **verification methodologies** and flows
- Solid understanding of standard ASIC verification techniques, including:
 - Test plan development
 - Test bench creation
 - Code and Functional coverage
 - Directed and random stimulus generation
 - Assertions
- Solid understanding of verification methodologies and one or more of the following standard test bench languages:
 - System Verilog (OVM/UVM)
 - C/C++, Perl/Python scripting
 - Verilog PLI
- Proficient in object-oriented **programming**
- Experience in development of re-suable VIP
- Experience in working with third party VIP

At a glance

Location: **Austin, TX (United States)**
Job ID: **334279**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **334279**
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- Experience with implementing constrained random verification methodology
- Good problem-solving skills
- Knowledge of industry standards such as SPI, QSPI, USB, MIPI, Ethernet, etc. is highly desired
- Strong written and verbal communication skills
- In addition, be self-motivated with the initiative to seek constant improvements in the verification methodologies
- The candidate must also possess strong initiative, analytical/problem solving skills, team working skills, ability to multitask and be able to work within a diverse team environment

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.

– Connected Secure Systems (CSS) delivers security for the connected world –

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.

[Click here](#) for more information about working at CSS with interesting employee and management insights and an overview with more **#CSSDreamJobs**.

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 on-boarding 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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