



NCG - Senior Engineer - Analog and Mixed Signal IC Integration

Job description

In your new role you will:

- Support design and verification of mixed-signal IP utilizing the Cadence suite of tools
- Generate Verilog MS/System Verilog models and correlate results with schematic level performance
- Generate simulation workbenches and interpret the results to verify compliance with system level requirements
- Generate a DFT plan that includes trimming, debugging, programming of mixed-signal IP blocks, and execute the plan
- Work with the Product Engineering, Automated Test, and Lab Char teams to test, validate, and characterize key IP on the IC and in the system
- Develop analog / mixed signal skills by helping to design next-generation IP

Profile

You are best equipped for this task if you have:

- MSEE or BSEE – With BSEE 2 years related experience are required
- Experience with Cadence Tools
- Capability of creating schematics, generating netlists, and running simulations
- Prior experience of compiling, elaborating, and running mixed-signal simulation
- Understanding of signal flow and boundaries between the analog and digital domains
- Are conversant in Python, Verilog, VHDL, C, C++ and capable of generating scripts
- Experience with DFT related topics such as: BIST, scan chains, etc.
- Experience with microcontrollers and firmware code
- Experience with lab test equipment such as oscilloscope, DMM, supplies, etc.
- Experience with Microsoft Office Tools (Word, PowerPoint, Excel) and Unix/Linux shell commands and editors
- Are highly motivated, innovative, and capable of driving tasks to a successful conclusion
- Strong organizational and detail oriented skills

At a glance

Location:

Job ID: **349797**

Start date: **as soon as possible**

Entry level: **0-1 year**

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: **349797**
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Why Us

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

Infineon Technologies Americas Corp. 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.

