



Systems Engineer

Job description

Do you have the skillset to thrive in a high-paced environment? If you have the skillset to match system and software development, wireless communications, digital processing, and an engineering background this will be the perfect opportunity! Apply here at Infineon today!

In your new role you will:

- Work within the wireless connectivity system team on development, implementation and verification of wireless algorithms and protocols, including data-path and control algorithm design for digital baseband and BB-RF, as well as practical implementation in hardware and firmware
- Design and implement robust and highly optimized digital baseband algorithms for low-power and low-cost WPAN connectivity SoC's such as Bluetooth, and 802.15.4/ZigBee
- Create system-level simulation models from the ground up, and construct effective overall system simulation environments used for performance evaluation and design trade-off analysis
- Work with the RF team on RF/analog impairment modeling and analysis including nonlinear distortions, inter-modulation, phase noise, IQ imbalance, DC offset, etc
- Work with cross-functional teams on tasks related to SoC bring-up and system verification and validation, as well as characterization, certification and customer support

Profile

You are best equipped for this task if you have:

- BS or MS in Electrical/Computer Engineering or Computer Science
- Strong background through coursework and/or past projects, on system and software development in wireless communications and/or digital signal processing
- Proficiency in C/C++ and MATLAB/Simulink
- Knowledge of scripting languages such as Perl or Python a plus
- RTL/hardware/FPGA experience a plus
- Experience with lab equipment such as oscilloscopes, spectrum analyzers, logic analyzers, etc
- Excellent communication skills and teamwork as the position requires working closely with RF/Analog, RFDVT, SVT, ASIC, and Firmware teams

At a glance

Location:	San Jose, CA (United States), Irvine, CA (United States), San Diego, CA (United States)
Job ID:	349206
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: **349206**
www.infineon.com/jobs



Benefits

- **San Jose, CA:** Medical, Dental & Vision Plans; Flexible Reimbursement Accounts (FSAs); Industry leading 401k Employer Contribution/Match; Company Performance Bonus; Holiday Pay & Paid Time Off (PTO); Flexible Working Conditions, Part-time Options; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Wide range of Training Offers & Career Development Planning; Coaching, Mentoring, Networking Possibilities; International assignments; Basic Life & Dependent Life Insurance; Paid Sick Leave, Accidental Death & Disability Insurance (AD&D) ; Short-term & Long-term Disability ; Employee Assistance Program (EAP) ; Health Promotion Programs ; Reduced Price for Public Transportation

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 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.

