



## Senior System Applications Engineer

### Job description

Infineon is looking for a System Applications Engineer to join our Internet-of-Things Compute & Wireless (ICW) business unit in Lynnwood, WA, with alternate locations in San Jose, CA or Austin, TX open to consideration. As a member of the Innovation and Advanced Engineering team you will work closely with the Design, Software, and Marketing teams, as well as across division and business unit lines, in support of our rapidly growing microcontroller product lines, including PSoC programmable system-on-chip mixed-signal controllers and other Arm-based microcontroller families. You will drive the definition and development of new silicon and solution technologies, engage with strategic lead customers, and push the organization on product ease-of-use and continuous improvement.

#### In your new role you will:

- Contribute to major product cross-functional teams for **both chip and solution development**
- Engage with external lead customers on product requirements and **system architecture definition**
- Conducting feasibility studies and producing prototypes and demonstrations of **new technology concepts**
- Produce system-level content in support of new microcontroller products, including:
  1. **Embedded software** at a block or subsystem level as well as **complete solutions**
  2. Hardware designs, including schematics, layout, and component selection
  3. **Analog and digital system-level designs**
  4. Technical documentation such as user guides, technical reference manuals, application notes, and knowledge base articles
  5. Technical training for external customers and Infineon Sales, Marketing, and Applications
- Enable customer design-in of products through architectural collaboration, technical support, training, and failure analysis

### Profile

#### You are best equipped for this task if you have:

- A Bachelor's degree in Electronic/Electrical engineering
- At least 8 year's experience in **embedded systems**

### At a glance

Location:	<b>San Jose, CA (United States), Austin, TX (United States), Lynnwood, WA (United States)</b>
Job ID:	<b>331382</b>
Start date:	<b>as soon as possible</b>
Entry level:	<b>5+ years</b>
Type:	<b>Full time</b>
Contract:	<b>Permanent</b>

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Job ID: **331382**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



- Strong experience with **C programming**, including embedded Real-Time Operating Systems (**RTOS**); **C++**, assembly, and/or Verilog experience desired
- Experience with **Arm CPUs**, including multi-CPU embedded devices
- Experience with **product security** at both hardware and software levels
- In-depth knowledge of analog and digital circuits
- Ability to solve and root cause complex multi-level engineering problems
- Strong verbal and written communication skills

## 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.

***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.

*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.

#LI-CM1

