



## System Architect, Automotive Embedded Systems

### Job description

We are currently seeking talented System Architects who want to join a dynamic and experienced team and take their technical knowledge to the next level in our mission of excellence.

This is a highly strategic and impactful role at Infineon Technologies Automotive Division. As part of Infineon's Silicon Valley Innovation Center, the role holder will have the opportunity to combine in-depth system-level technical knowledge along with business acumen to contribute to Infineon's forward-looking automotive related innovation initiatives. This position will focus on embedded processing and software related to the rapidly evolving automotive space, including autonomous, and electrification systems.

#### In your new role you will:

- Work with industry leaders, and startups, to identify big and impactful problems to solve relevant to next generation automotive systems
- Research, evaluate and develop concepts utilizing existing or emerging technologies applicable to highly autonomous driving systems, and electromobility
- Work independently with problems in hand, with R&D teams, startups, and corporate partners to find solutions and prove them out
- Promote the proven concepts into the broader organization so they can flourish and grow
- Juggle multiple tasks and priorities, be responsive to solving challenging problems using disciplined methodology and collaborative & agile development practices

### Profile

As an embedded system architect, your blend of technical capabilities, program management capabilities, excellent communication skills including executive presence, will all lend well to developing successful relationships with colleagues, customers, partners, and 3rd-party experts.

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

- Understanding of vehicle-level architectures and their implication to hardware and software requirements
- Proven system-level experience with automotive technologies relevant to ECUs (Electronic Control Units), and domain controllers

### At a glance

Location: **Milpitas, CA (United States)**  
Job ID: **338970**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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Job ID: **338970**  
[www.infineon.com/jobs](https://www.infineon.com/jobs)



- Knowledge of in-vehicle connectivity/networking technologies and relevant security requirements
- Strong technical understanding of embedded controllers designed for systems requiring real-time and dependable performance
- Hands-on experience with embedded software development including sensor fusion algorithms, and artificial intelligence (AI) techniques
- Knowledge of key automotive standards and compliances such as ISO 26262
- Business development experience: Engage and negotiate with start-ups, corporate partners, or 3rd party experts to define Proof of Concept approaches that can validate said concepts
- Executive presence, to present concepts directly to the company's leadership team to influence strategic direction
- Project management skills to execute proof of concept developments, and upon completion, hand off key learnings to the relevant organization
- Ability and desire to work with a dynamic team comprised of individuals with varied skill sets and experience, located in multiple sites and geographies
- Direct startup experience (desired)
- B.S in Electrical Engineering or Computer Engineering with 7+ years of professional experience. Masters or Ph.D. combined with MBA is preferred

## Benefits

- **Milpitas, 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.

*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.

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