



Lead Principal Engineer Lead Principal, System Architect

Job description

As a Lead Principal Engineer Lead Principal, System Architect, you will be responsible for system architecture description and application requirements as well as the definition of system concepts based on value drivers for Infineon's solution offerings. You will work with key customers to solve their system challenges through the definition of new products, topologies and architectures.; Does this sound exciting? if so, please apply today!

In your new role you will:

- Strive to understand and describe system architectures and challenges, establish application requirements and feature sets for new product definitions, and help **define functional blocks or control systems used in new products**. Once productized, you will provide expert application level support to enable design-in activities.
- Identify, evaluate and drive technology innovation ideas needed to enable future products. Technologies can include **integrated circuit IP, MOSFET and GaN technologies, packaging and software needs**.
- Be responsible for technical trend scouting of upcoming application needs or technology shifts to ensure continued Infineon success and growth. The Application Roadmap provides analysis and technical evaluation of the latest trends along with recommendations for technology strategies and identified technology development needs.
- Engage with standardization authorities worldwide to provide requirements for our offerings, and with Universities in research efforts.

Profile

You are best equipped for this task if you have:

- MS or PhD in Electrical Engineering or similar field of studies with at least 10 years of power related experience.
- Knowledge in many power conversion **topologies, power device, magnetics and control loop design**.
- Experience in **MOSFET, Gate Drivers and their interaction, and digital products preferred**.
- Proficiency in using **schematic entry, circuit simulation, and PCB layout tools**.
- Good understanding of functional safety concepts and automotive system applications.

At a glance

Location: **Warwick, RI (United States)**
Job ID: **351332**
Start date: **as soon as possible**
Entry level: **5+ years**
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: **351332**
www.infineon.com/jobs



- Oral and written English language proficiency is a must.

Infineon Power & Sensor Systems (PSS) semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world.

Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

– We drive leading-edge power management, sensing and data transfer capabilities –

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

Benefits

- **Warwick, RI:** 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.

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 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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