



Principal Applications Engineer

Job description

We are looking for Application Engineer keen to help key customers designs and build the next generation of capacitive and inductive sensing solutions using Infineon CapSense and MagSense products.

- Enable Design-win projects using Infineon's sensing portfolio involving capacitive and inductive sensing technologies by defining and building reference designs and solution demonstrations, creating technical articles and application notes.
- Analyse competitor's products to understand competitive advantages and refine next generation sensing solution requirements, and demonstrate transition to IFX-based solutions.
- Initiate and drive creative end solutions using product's capabilities and feature set
- Own the datasheet, Application notes and reference design for product lines.
- Define the development kits and reference designs for the next generation CapSense and MagSense products.
- Work cross-functionally with Marketing, Customers, and Design teams to create suitable product solution.
- Provide design proposals and technical definition for Firmware, Middleware, and Hardware blocks.
- Train customers, sales and FAEs on product features and solutions.
- Plan and execute projects along with other team members.

Profile

- Technical Degrees (BE/Btech/ME/Mtech) in Electronics Engineering or similar with work experience of 5-16 years in embedded system development
- Strong knowledge of system-level design and architecture in the embedded domain i.e.
 - Good knowledge of programming in C/C++ and embedded firmware development
 - Knowledge of common peripheral communication (I2C/UART/SPI) protocols.
 - Competent in comprehending schematics and PCB layouts.
 - Familiarity with usage of lab equipment like oscilloscope, multimeter, logic analyser, spectrum analyser etc.
 - Ability to debug and solve complex issues involving device, PCB, firmware, software, system and solution level aspects.

At a glance

Location: **Bangalore (India)**
Job ID: **356833**
Start date: **Sep 01, 2022**
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: **356833**
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Contact

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- Knowledge and experience of EMI/EMC standards and corresponding hardware and firmware techniques is preferred
- Innovative mindset, self-driven and zeal that is contagious and drives peers along, effective communicator, proactive, goes beyond stated job, influencer, structured thinking and approach, team player.
- Excellent writing, presenting, communication and convincing skills.
- Desktop software, app development and hardware and firmware test automation experience are an added advantage.
- Good to have knowledge of machine learning methods and tools

Benefits

- **Bangalore:** Coaching, mentoring & networking possibilities ; Wide range of training offers & planning of career development; Regional and local talent programs; International assignments; Career paths: Management career, Project management career, Technical ladder career, Individual contributor career, Professional career; Flexible work timing, Part time work, Work from home; Home office; Health & wellness reimbursement, Employee motivation forum, Spoorthi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Medclaim (dependents & top up), Personal accident, Term life; National Pension Scheme; Health promotion programs; Statutory benefits; Access for wheelchairs; On-site canteen; Paid sick leave, long term illness leave; On site Yoga classes, Sports club

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.

Connected Secure Systems (CSS) delivers security for the connected world

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.

