



## Staff Application Engineer

### Job description

We are looking for a staff Engineer who can develop firmware for internal and customers designs; further to help build the next generation of USB and Type-C/PD solutions using Infineon USB products.

- Firmware development using C/C++ on ARM and 8051 microcontrollers (Bare metal and RTOS based).
- Candidate should have strong knowledge of USB communication especially USB-PD would be an advantage.
- Debugging technical issues on embedded hardware, firmware and software, reporting product defects and providing work arounds.
- Excellent communication and thorough documenting skills

### Profile

- Bachelors or Masters in ECE / Computer Science
- 4+ year experience in Applications, software or firmware development as an embedded system firmware developer.
- Strong understanding of hardware and circuit design, device internals and end applications.
- Ability to debug technical issues on embedded hardware, firmware and software.
- Provide embedded hardware, firmware design and development services to realize designs such as ARM, PIC, 8051, MSP430, PSoC, etc. to build simple working systems.
- Design & implement embedded libraries to access peripheral interfaces such as I2S, SPI, UART, I2C, etc.
- Very good programming skills using C, python
- Strong analytical, diagnostic and problem-solving skills, especially with limited embedded resources like GPIOs and UARTs.
- Experience with any communication protocol, especially USB-PD would be an advantage.
- Experience in developing firmware in the field of Power Electronics would be an advantage
- Ability to conduct investigative research to identify and resolve technical issue
- Interest and ability to learn new technologies very quickly.
- Ability to work collaborative in a team and contributing guidance with your expertise

### At a glance

Location: **Bangalore (India)**  
Job ID: **347317**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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### Contact

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## 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; Mediclaim (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.**

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.

**Power & Sensor Systems (PSS) drives leading-edge power management, sensing and data transfer capabilities**

Infineon 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.

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

