



## Senior Staff Engineer - Embedded Motor Control Applications

### Job description

We are looking for a Senior Staff Engineer, Embedded Motor Control Applications to specialise in the development and deployment of Motor Control Application Firmware.

As the System Application Engineer of the R&D team for the Power & Sensor Systems group, your main responsibility is on development and deployment of Motor Control Application Firmware.

In your new role you will:

- Be a member of the Systems R&D team that **develops and deploy embedded reference solutions** using Infineon semiconductors, microcontrollers and power devices
- Main focus on **Motor Control application development** by Reference Solution, to deploy and support such as into PowerTools, Robotics, LEV
- **Set up of application bench** and conduct **in-system application validation**.
- Extend ecosystem and enhance ease of **solution deployment** to end applications
- Provide **collaterals** and be the **go-to Motor Control expert to design-in customer applications**.
- Be part of the HQ team and maintain close loop with the regional field teams, worldwide.

### Profile

You are best equipped for this task if you have:

- University degree in Bachelor / Masters / PhD in Electrical / Control Engineering
- Minimum 5 years of relevant experience and strong interest in embedded Motor Control. Experience in **Motor Control firmware development** is an advantage.
- **Experience in embedded development and proficient in embedded C programming**
- Good understanding of **electronics / electrical circuits, can debug the system**
- **Knowledge in 3 phase inverter circuit and its key components working theory and mechanism, such as MOSFETs, gate driver, and controller.**
- Background in **Microcontroller and peripherals** such as Analog-Digital converter, pulse width modulators know-how preferred
- High interest to work in an R&D environment.
- Is organised, meticulous and a self-motivator. Willing to learn on-the-job

### At a glance

Location: **(Singapore)**  
Job ID: **349773**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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Job ID: **349773**  
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- Able to travel occasionally when required

## 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.

*In accordance with the requirements set by the Singaporean Government, Infineon Technologies Asia Pacific Pte Ltd ("Infineon") can only allow individuals who are (a) fully vaccinated, (b) certified to be medically ineligible for a vaccine or (c) have recovered from COVID-19 within a prescribed period, onto company premises. Therefore, Infineon requires all new employees, as well as contractors and business partners, to be fully vaccinated against COVID-19. "Fully vaccinated" means individuals have completed the full regime of an approved COVID-19 Vaccine as listed under the World Health Organization (WHO) Emergency Use Listing (EUL) including the respective post-vaccination period to ensure the vaccine has become full effective. Anyone who is unable to be vaccinated due to an approved and/or recognised exemption condition may apply for special consideration.*

