



Senior Staff Engineer Software & Tooling (f/m/div)*

Job description

As part of the Power and Sensor Systems (PSS) division, the System Innovation and Software department (SIS) provides innovative system studies and tailored solutions. Our products and systems are especially designed to exploit potentials of AI/ML for smart sensor systems. This requires new processing architectures in deep submicron circuit design combined with software and a system understanding. This is where we need you to bring our vision of AI at the edge to life!

In your new role you will:

- **Develop software for AI enabled products and systems** including concept, implementation and verification
- **Implement firmware for custom as well as ARM-based processors**
- **Act as a software architect** and give **guidance to younger team members**
- Work on **embedded software engineering** and tooling for AI/ML and DSP
- **Map algorithms in high level programming languages to embedded hardware platforms**
- **Educate yourself continuously** in order to achieve optimum customer satisfaction
- **Network** with internal and external partners, universities and institutes

Profile

We want your thorough expertise and knowhow in software development, combined with excellent knowledge of the tool landscape for design and system development.

You are best equipped for this task if you have:

- **A degree in Computer Science, Electrical Engineering, or similar**
- **At least 6 years of experience in the field of software design and verification**
- **Excellent programming skills**, especially Python and C/C++
- **Experience with CI/CD (Continuous Integration / Continuous Delivery)** and DevOps
- **Knowledge in the area of Digital Signal Processing and Machine Learning** including implementation in hardware would be an advantage
- **Excellent English language skills**
- **Experiences in working in multi-functional and inter-cultural teams**

At a glance

Location:

Job ID: **348085**

Start date: **Jul 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:

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Contact

Elisa Stasch

Talent Attraction Manager



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.

The **Development Center Dresden** was launched in 2019 and is growing successfully. Today, a total of 80 top-class experts and young talents from 14 nations are working on research and development of new products and solutions for automotive and power electronics, chip design and verification, characterization of complex systems as well as development of products and solutions with artificial intelligence. In the long term, the Development Centre will employ around 250 people. State-of-the-art research and characterization labs facilitate R&D activities for automotive applications, electromobility and AI chips of the next but one generation. The Development Center covers the complete development value chain from product and system definition to qualification.

This is the right place for you, if you want to work in a high-tech environment, master challenges of advanced product development, be part of a multicultural team with great spirit and experience a startup-like culture.

[Click here](#) for more information about working at DC Dresden with interesting employee and management insights and an overview with more Jobs at #DCDresden.

** The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

