



Software Architect Switched Mode Power Supplies (f/m/div)*

Job description

Would you like to understand, structure and analyze application requirements for power systems and the associated software libraries required and act as technical lead for the SW team for implementation of building blocks and application SW for digital switch mode power supplies? Then come and join our highly motivated team. Make sure to apply now! With this position, you will enter our "Technical Ladder" career path. The Technical Ladder is a special career path for those who share innovative ideas, demonstrate comprehensive technical knowledge, show thought leadership, possess problem solving abilities and are able to create business value.

In your new role you will:

- **Understand, structure and analyze application requirements** for power systems and the associated software libraries required
- **Assess and decide on power/performance/cost trade-offs**
- **Partition SW system into composable building blocks** with clear, consistent APIs while making use of specialized HW capabilities
- **Describe and translate application requirements** into requirements for the various subsystem's components
- **Act as technical lead for the SW team** for implementation of building blocks and application SW for digital switch mode power supplies
- **Define SW ecosystem** (Modus Toolbox, SDK, low level driver)
- **Document the system** for **internal stakeholders** and **customers**
- **Inspire, guide, coach and influence** internal stakeholders, partners and customers
- **Identify, evaluate und drive innovation ideas including** technical trend scouting

Profile

You are personally committed to the customer's concerns, award them a high priority and focus your efforts on finding solutions that offer added value for both sides. You have a clear notion of how innovation contributes to the commercial success of the company and concentrate your creativity and knowledge on producing results with real added value. You are able to quickly establish a successful cooperation and clarify areas of responsibility, coordinate your work with colleagues, and regularly share your insights with them.

You are best equipped for this task if you have:

At a glance

Location: **Munich (Germany)**
Job ID: **358331**
Start date: **Oct 01, 2022**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Contact

Vivian Dudek
Talent Attraction Manager



- A degree in **Electrical Engineering, Computer Science** or similar
- **At least 8 years of working experience in embedded software development** combining processors, power and signal processing on general-purpose processors or DSPs
- Deep knowledge of **switch mode power supplies**
- Experience with **system level circuit modelling with EDA tools** is a plus
- **Ability to work in teams** and collaborate effectively with people in different functions
- **Excellent communication** and **team working skills**
- Written and spoken **English** communication skills

Benefits

- **Munich:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Home office options; Part-time work possible (also during parental leave); Sabbatical; On-site creche and kindergarden with 120 spots, open until 6pm; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport and very own S-Bahn station; Access for wheelchairs

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.

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

Infineon **PSS** semiconductors are enabling intelligent power management, smart sensitivity, and fast, reliable data processing in an increasingly digitalized world. Our state-of-the-art power and connectivity devices make chargers, servers, mainboards, power tools, and lighting systems smarter, smaller, lighter, and more energy-efficient. In addition, our trusted sensors give things an intuitive sensing capability to make them contextually aware, and our RF chips support fast and reliable data communications.

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

** 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.*

