



Expert for System Development in Virtual Prototyping (f/m/div)*

Job description

Are you interested in driving new simulation platforms for leading edge developments of new PSS power products? Then we have an exciting opportunity for you! In this position as Staff Engineer for System Development in Virtual Prototyping you will develop new methods within virtual prototyping, share your insights and bring relevant stakeholders on board to support our customers to bring our products to life! With this position you will enter our Technical Ladder. 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:

- Take over responsibility for the **development of software solutions** in the field of **virtual prototyping for power semiconductors and applications**
- Combine the three disciplines **software, virtual prototyping** and **SPICE modelling** to rise the bar for design-in experience at customer
- Apply **state-of-the-art software development methodologies** and tools to **automate** the development process and modelling of semiconductor products
- **Drive the development by reviewing software needs**, conferring with users, give professional support and maintenance. You are responsible for the documentation and rollout
- **Actively collaborate and exchange knowledge** with our development teams across sites

Profile

As Staff Engineer for System Development in Virtual Prototyping you understand how to create value with ideas and solutions, are open-minded to new ideas and demonstrate openness towards different ways of thinking and acting. Thanks to your excellent communication skills, you are able to quickly establish a trustworthy and constructive cooperation.

You are best equipped for this task if you have:

- A **degree in software programming, computer engineering, electrical engineering, physics, mathematics** or a related field
- **At least 3-5 years of professional experience in embedded software development**, preferably in the semiconductor industry

At a glance

Location: **Munich (Germany)**
Job ID: **341420**
Start date: **as soon as possible**
Entry level: **3-5 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: **341420**
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Contact

Nadine Patriarca Roth
Talent Attraction Manager



- Very good knowledge in **Python software programming** and **object oriented principles**
- Very good analytical skills using **mathematical algorithms** and **machine learning approaches**
- Knowledge in the field of **database integration (e.g. SQL)** as well as in **SPICE simulation software** (e.g. with SIMetrix, LT-Spice and OrCAD)
- **Strong networking skills** that help you to build sustainable connections across locations & subjects
- Excellent **English** language skills, German language skills would be a plus

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.

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 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.*

