



## Expert for Software Development, Machine Learning and Automation (f/m/div)\*

### Job description

Do you want to be part of an interdisciplinary team, introducing and establishing AI and ML methods for new PSS power products? You will develop new methods and software within virtual prototyping to support our customers and to bring our products to life. You will be able to focus deeply on software innovation – while further pursuing your career. As you continually expand your expert knowledge, puzzle over matters and solve problems, you will position yourself as a thought leader – thus helping our products improve our world a bit more each day. 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**
- Develop and introduce **new methods** in Spice modelling using **AI and Machine Learning**
- **Dive into data to find key solutions to improve our simulation models**
- **Drive the development** by reviewing software needs, conferring with users, give professional support and maintenance. You are responsible for the documentation and rollout
- **You feature analytical thinking** to drill down complex requirements in a structured way
- **Actively collaborate and exchange knowledge** with our development teams across sites

### Profile

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.

Additionally, you are a perfect fit for this position 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 **software development** preferably in semiconductor industry

### At a glance

Location:

Job ID: **351077**

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: **351077**

[www.infineon.com/jobs](http://www.infineon.com/jobs)

### Contact

**Rebekka Kohnle**

Talent Attraction Manager



- Expert in **Python programming** and **SQL database** to analyse data and construct prototypes
- **Excellent mindset for SW quality** and **agile development processes**
- Good analytical skills using **mathematical algorithms** and **machine learning approaches**
- Good knowledge in the field of **database integration (e.g. SQL)**
- Knowledge 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
- **Fluent English skills**, German is a plus

## 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.*

