

# Driving decarbonization and digitalization. Together.



## Senior Engineer Standard Cells (w/m/div)\*

### Job description

We are offering a position in our team for standard cell development. Your task will be the preparation and delivery of standard cell libraries as well as special libraries for Infineon products. Standard cell are the main building blocks to create digital and computing chips and are used in a wide variety of Infineon products. Therefore, you will be providing and verifying standard cell libraries across a variety of state-of-the-art processes, but also for the latest ones. Furthermore, you will participate within the further development of methods and improvements of the standard cell delivery process.

In your new role you will:

- Verify analog and digital circuit designs in a full-custom environment
- Do dimensioning and optimization of circuits as well as verification of the results
- Test the functionality within the required working area and related electrical properties of standard cells designs
- Provide proposals for improvements of properties and quality as well as efficiency of Standard Cell
- Run post layout verification and simulation
- Verify the properties and behavior of circuits and fulfillment of the specifications
- Automate the simulations and verification environments for standard cells

### Profile

You maintain the exchange of your professional expertise and hence supports others. Hence, quickly establishing a successful cooperation. You produce results even in changing circumstances.

You are best equipped for this task if you have:

- A degree in Electrical Engineering, Computer science, Physics or a similar qualification
- At least 3 year of experience in verification of Analog/Digital Designs in a fullcustom environment
- Deep knowledge in SPICE simulation as well as the state of the art advanced verification methods for fullcustom designs
- Background knowledge in chip design, using digital design automation tools and flows
- A basic level of understanding hardware description languages as well as circuit design

### At a glance

Location: **Dresden (Germany)**  
Job ID: **HRC0672344**  
Start date: **as soon as possible**  
Entry level: **1-3 years**  
Type: **Full time**  
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0672344**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



### Contact

Mariia Kozachok



- Programming skills in Perl, Python and Tcl
- Language skills in English and German

## Benefits

- **Dresden:** 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 in office jobs; Home Office possibilities; Part-time work possible (also during parental leave); Spots in local kindergarden; On-site social counselling and works doctor; Health promotion programs; Fitness Room; 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, car sharing, charging station for e-cars and e-bikes; Accessibility, access for wheelchairs; Possibility to work remotely from abroad (EU)

## Why Us

### **Driving decarbonization and digitalization. Together.**

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

The **D evelopment Center Dresden** was launched in 2019 and is growing successfully. Today, more than **120** top-class experts and young talents from **23** nations are working on research and development of new products and solutions for automotive and power electronics, software, 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.

### **We are on a journey to create the best Infineon for everyone.**

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

