

Driving decarbonization and digitalization. Together.



Principal Engineer Circuit Simulator Development (f/m/div)

Job description

We ensure that Infineon's in-house circuit simulator stays a first-class tool – but what is in it for you? First of all: VERSATILITY – you will be involved in development, implementation, maintenance & tool support at the same time. Secondly: IMPACT – you will be in a position to influence simulation methodology used by Infineon's designers worldwide. And last but not least: PERSONAL DEVELOPMENT – through learning from highly skilled colleagues

In your new role you will:

- Develop Infineon's in-house analog circuit simulator.
- Develop and constantly optimize all aspects of the simulator to achieve maximum performance, feature set and maintainability.
- Improve existing software modules and be responsible for refactoring and maintenance of existing code.
- Support our worldwide user community.
- Write technical documentation.
- Participate in EU-funded projects that are actively pursuing topics relevant to Infineon-internal simulation communities.

Profile

You are best equipped for this task if you have:

- A degree in Electrical Engineering, Computer Science or Mathematics or related areas.
- Minimum 3 years of work experience in electronic design automation (EDA) area or software design and implementation or a related technical area.
- Very good programming skills with focus on C++/C in UNIX environments. Advantageous but not mandatory: FORTRAN skills.
- Knowledge about one or more of the following topics: Periodic SteadyState (PSS) algorithms (Harmonic Balance and/or Shooting), analog circuit simulation, RF topics, high-performance computing algorithms and numerical mathematics.
- Some hands-on experience with tools like Spectre, HSPICE, AFS, ADS or languages such as SPICE, Skill or Verilog-A.
- Nice to have: Working experience in adjacent areas such as analog design or RF analyses.
- In the best case: Already previous experience in circuit simulator development.
- Fluent English communication with German language skills is a plus.

Benefits

- **Munich:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different

At a glance

Location:

Job ID: **HRC0782322**

Start date: **Aug 01, 2024**

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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0782322**
www.infineon.com/jobs



Contact

Thomas Bloch



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 220 spots, open until 5:30pm; 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; 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.

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.

