



Software Engineer for Integrated Circuits Simulation Development (f/m/div)*

Job description

In our fast-changing world, the technology industry is facing different types of challenges. Our R&D team is constantly looking for new and innovative methods and tools, in order to come up with the best solutions for our customers. Are you ready to leave your mark in future technology and work for a greener future? Then join us as a Software Engineer for Integrated Circuits Simulation Development in Bucharest and find a challenging and stimulating environment, which will enable you to develop new skills and knowledge.

As a Software Engineer for Integrated Circuits Simulation Development, you will create software for multi-physics analysis and work on the development and integration of simulation solutions used in the design and verification of integrated electronic circuits (IC).

In your new role, you will:

- **Develop** Infineon's **in-house simulation solutions**
- Develop and constantly **optimize** all aspects of the **simulator** to achieve maximum performance, feature set and maintainability.
- **Develop** and **optimize** simulation methods for **multi-physics analysis**
- Integrate appropriate **numerical methods** and solvers in the **simulation framework** and in the **IC design** environments. Improve existing software modules and be responsible for refactoring and maintenance of existing code.
- Write technical documentation.

Profile

You are best equipped for this task if you have:

- A Master degree in **Electrical Engineering, Computer Science** or **Physics**.
- Good **programming** skills with focus on **C++/C** in **UNIX/ Linux** environments.
- Programming skills with **scripting languages** (e.g. Python, MatLab/Octave, Perl)
- Very good command of English language.

It is a plus if you have:

- Basic knowledge of numerical methods and experience with any of multi-physics simulation tools (e.g ANSYS, COMSOL, Abaqus)
- Prior experience in programming with MatLab/Octave.

Benefits

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

At a glance

Location: **Bucharest (Romania)**
Job ID: **350840**
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:

Job ID: **350840**
www.infineon.com/jobs

Contact

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Talent Attraction Manager



career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working hours at many sites; Home office options; Medical coverage; Health promotion programs; On-site gym with special rates; On-site canteens; Wage payment in case of sick leave based on applicable law; Corporate pension benefits for engineers; Performance bonus options; Accessibility, 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.

** 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.*

