



Senior Engineer Digital Verification - Automotive Microcontroller Security IPs (f/m/div)*

Job description

Are you fascinated by the future of mobility and digital verification in this context? Do you like to challenge the status quo as well as yourself to go one step further in order to find creative, out-of-the-box solutions? Then join our Automotive Microcontroller Security IP's team! As Senior Engineer you will work on the verification of our products in cooperation with our international teams worldwide. Don't miss your chance and apply now.

In your new role, you will:

- Support the **creation of verification concepts and plans** to develop and maintain **digital verification test benches for automotive microcontroller security IPs**, applying randomized and formal verification techniques
- Perform **test bench quality checks** by applying the corresponding criteria (e.g. Code Coverage)
- Create **verification related documentation** to comply with relevant **standards for safety** (ISO 26262) and **security** (ISO 21434)
- **Network cross-functionally** with system/concept engineers, application engineers, functional safety management, design engineers, post-silicon teams and central service providers, within and beyond the business unit
- Help to increase efficiency of **verification activities** and support **pro-active risk management**

This position is suitable for full- and part-time.

Profile

As Senior Engineer Digital Verification you are not afraid of taking on new challenges in the area of Automotive Microcontroller Security IP's without knowing the right path to an eventual solution in advance. Furthermore, you have a good sense for current trends and deduce potential improvements for your own team. Lastly, you are able to quickly establish a successful cooperation and put the team's results above your own interests.

You are best equipped for those tasks if you have:

- **A degree in Electrical Engineering, Computer Science, Physics** or a related technical field
- **At least 1-3 years of relevant working experience** within the **semiconductor industry** in constraint random **functional and/or formal verification**

At a glance

Location: **Munich (Germany)**
Job ID: **349930**
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: **349930**
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Contact

Florian Nops
Talent Attraction Manager



- Knowledge in **automotive microcontroller** and **hardware verification languages** (e.g. SV UVM or Specman e)
- Experience in using **regression and coverage analysis tools** as well as knowledge of **test bench qualification**
- Basic knowledge about **safety standards and applications** (e.g. ISO 26262) as well as an **interest in security** would be beneficial
- **Ability to work in a team** of verification engineers to undertake chip development projects
- Work experience in **international and cross-functional technical teams** within a **multi-cultural environment**
- Excellent **English** communication skills, **German** language skills are 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.

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.

– Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon **ATV** is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality.

[Click here](#) for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

Automotive Microcontroller: We make cars clean, safe and smart

As a leading automotive microcontroller vendor, the Infineon business line **Automotive Microcontroller** (ATV MC) offers the industry's most comprehensive vehicle microcontroller portfolio and complements it with software. We serve automotive key applications, such as powertrain, advanced driver assist, chassis, body, instrument cluster and infotainment. We also address high-performance dependable computing, real-time domain and zone control, smart sensing and affordable artificial intelligence (AI) applications enabling the next stages of automated driving as well as higher levels of car connectivity, digitalization and security.

Being at the core of this transformation, ATV MC contributes to shape the future of mobility enabling clean, safe and smart cars. So join us to create a better future together.

[#AutomotiveMicrocontroller](#)

** 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.

