



## Staff Engineer Cybersecurity Validation (f/m/div)\*

### Job description

Are you a technical expert fascinated by the future of mobility and cybersecurity 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 Cybersecurity Validation team! As Staff Engineer you will work on the robustness validation of our products against different attack scenarios and thereby become part of our fast-growing international validation team. With this position you will be entering our Technical Ladder: 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:

- **Work technically on the cybersecurity validation** of Infineon's automotive microcontroller product families with focus on **logical, semi-invasive and observative attacks**
- **Provide customer support** with respect to **cybersecurity validation** (e.g. evaluation and protection against different attack scenarios)
- Plan, define, design and develop the required **test sites** as well as implement the **automated test suites in hardware and software** in cooperation with senior technical experts
- Actively contribute to the **threat-modelling and TARA analysis** of our product families
- Own and create related **documentation and work packages** to comply with relevant **standards for cybersecurity (ISO 21434)**
- Investigate **new ideas**, consider alternatives and **drive active risk management** with regard to cybersecurity validation

### Profile

As Staff Engineer Cybersecurity Validation you promote an awareness for quality and cybersecurity in this context by continuously striving for the goal of "zero-defect" with regard to our microcontroller product families. Therefore, you take in information quickly, evaluate it from different points of view, and uncover hidden weaknesses as well as room for improvement. In this process, it is important for you to investigate new ideas, consider alternatives, clarify areas of responsibility, and regularly share your insights with our colleagues in order to achieve the best result possible.

You are best equipped for this task if you have:

- A degree in **Electrical Engineering, Informatics, Physics** or a related field

### At a glance

Location:

Job ID: **337300**

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: **337300**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)

### Contact

**Jana Karger**

Talent Attraction Manager



- At least **3-5 years of professional experience in cybersecurity validation or application/test lab**, ideally within the automotive or IT sector
- **Solid understanding of cybersecurity validation techniques** (e.g. fuzz testing, penetration testing) as well as **good programming skills** (Python, Perl)
- Ability to **observe and proactively anticipate new trends with regard to attack scenarios** in combination with a very **creative mindset** and the **ability to think out-of-the-box** in order to identify unknown weaknesses in our products
- Knowledge about **cybersecurity standards** (e.g. ISO 21434, J3101) as well as **application know-how on debugging** and **communication protocols** would be a plus
- Excellent **English** communication skills, German language skills are a plus

## Benefits

- **Munich:**

## Why Us

**Part of your life. Part of tomorrow.**

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

– **Automotive (ATV) shapes the future of mobility with micro-electronics enabling clean, safe and smart cars** –

Semiconductors are essential to realize key trends like eMobility, automated driving and secure, connected cars. Infineon **ATV** is the #1 semiconductor partner in the fast-changing automotive world, based on our system knowledge coupled with our passion for innovation and quality. We are a key driver in the ever-advancing pace of digitalization in the automotive industry.

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

### Microcontroller

The Infineon business segment MC (Microcontroller) is strongly growing with latest TriCore Microcontroller generation AURIX, offering latest innovation in performance, connectivity, power consumption, safety and security. Furthermore the key application segments are targeting segments with high innovation potential and highest market growth such as Advanced driver Assistant systems. As part of the automotive business unit the focus of MC is on the requirements of the automotive market from motor cycle to truck applications.

*\* 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.*

