



## Validation Engineer for Connected Secure Systems (f/m/div)

### Job description

Are you passionate about innovation and creativity? Do you want to actively contribute to the development of next generation products? Then join a stimulating career opportunity as Validation Engineer for Connected Secure Systems in Bucharest. Together with our team of experts you will be able to continually expand your expert knowledge, puzzle over matters and solve problems – thus helping our products have a great impact in our future lifestyles.

As Validation Engineer you will be the first one to interact with our new products, testing them under all potential scenarios they could be used and even beyond. Like this, you will be crucial in anticipating and therefore preventing any potential issues. By working closely with the design team, you will assure extensive module validation and guarantee that the validation goals are met.

In your new role you will:

- **Architect and implement test environments** to support the validation of the hardware modules used in our 16/32-bit Microcontrollers.
- **Extract (from the Product Architecture Specification) the requirements** which need to be covered by the validation plan.
- **Create Test Specifications** for the tests to be developed.
- **Develop and design test applications** in embedded C, **develop scripts for automation** using Python and custom Test-HW to interface with our products.
- **Understand the functionality & API behind the Lab Hardware and Software** used in our test environments: e.g. Proprietary Test-HW, Oscilloscopes, Multimeters, Thermal Chambers, etc.
- **Maintain, execute, analyze and debug our test environments** and interpret the test results.

### Profile

You demonstrate strong communication skills, know how to establish lasting relationships and networks, clarify areas of responsibility, coordinate your work with colleagues, and regularly share your insights with them.  
You actively contribute to putting decisions to work as soon as they are taken and push ideas to their full implementation and application by supporting the team to excellence.

You are best equipped for this task if you have:

### At a glance

Location: **Bucharest (Romania)**  
Job ID: **333297**  
Start date: **as soon as possible**  
Entry level: **3-5 years**  
Type: **Full time**  
Contract: **Permanent**

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### Contact

**Diogo Venâncio**  
Talent Attraction Manager



- A university degree in **Electrical Engineering, Computer Science, Automation** or equivalent field.
- **At least 3 years of experience** working with **Microcontrollers** (e.g. Firmware /Hardware), preferably in a Validation or Application Engineering group.
- Strong experience with **embedded C programming**, preferably low level drivers (e.g. for I2C, SPI, UART, Timers).
- Good experience with **scripting languages** (e.g. Python or others) especially for lab equipment control and data processing.
- Good experience in using and understanding **standard lab equipment** (e.g. Oscilloscopes, Multimeters, Signal Generators, etc.).
- Good knowledge in PCB design is a plus.
- Fluency in technical English.

## Benefits

- **Bucharest:** 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 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.**

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.

*\* 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.*

