



## System Validation Engineer (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 System 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 System Validation Engineer you will act as a first customer to our products, using them under all potential circumstances they could be used. Like this, you will be crucial in anticipating and therefore preventing any potential issues. By working closely with the design team, you will assure exhaustive system validation and guarantee that validation goals are met.

In your new role you will:

- **Architect and implement test environments** to support the validation of the (Hardware & Firmware) components used in our 16/32-bit Microcontrollers.
- **Extract (from the Hardware Reference Manual or Firmware Arch Spec) the requirements** which need to be covered by the validation plan.
- **Create Test Specifications** and "How Tos" for the tests to be developed.
- **Design and develop test applications** in embedded C using Keil (SDK), **scripts for automation** using Python and PCBs to interface with our products.
- **Understand the functionality & API behind the Hardware and Software** tools /equipment used in our test environments: e.g. Readers (used for UART, I2C, SPI communication), Oscilloscopes, Multimeters, thermal chambers, etc...
- **Maintain, execute, analyze, 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:

- A university degree in **Electrical Engineering, Computer Science, Automation** or equivalent field.

### At a glance

Location: **Bucharest (Romania)**  
Job ID: **314847**  
Start date: **as soon as possible**  
Entry level: **3-5 years**  
Type: **Full time**  
Contract: **Permanent**

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Job ID: **314847**  
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### Contact

**Luís Almeida**  
Talent Attraction Manager



- **3+ years of experience** working with **Microcontrollers** (e.g. Firmware/Hardware), preferably in a System Validation or Application Engineering group.
- Strong experience in using and understanding **standard lab equipment** (e.g. oscilloscopes, multimeters, signal generators, etc...).
- Experience with **embedded C programming**, preferably low level drivers (e.g. LLD for I2C, SPI, UART).
- Experience with **scripting languages** (e.g. Python or others) especially for lab equipment control and data processing.
- Good knowledge in PCB design is a plus.
- Good command of **English** language.

## 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.

### – Connected Secure Systems (CSS) delivers security for the connected world –

The Connected Secure Systems (CSS) segment offers comprehensive systems for a secure, networked world with a portfolio built around reliable, trendsetting microcontrollers as well as wireless connectivity and security solutions. Over the past decades, CSS has developed microcontroller, Wi-Fi, Bluetooth and combined connectivity solutions (known as connectivity combos) and hardware-based security technologies. The products are used in a broad range of applications: from consumer electronics, IoT and home appliances to IT equipment, cloud security and networked cars all the way to credit and debit cards, electronic passports and IDs. With its leading technologies in the areas of computing, connectivity and security, CSS makes a decisive contribution to protecting today's and tomorrow's networked systems.

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

*\* 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.*

