



## Master Thesis in Automotive Firmware Quality Analysis (ASPICE) Automation using an Online Dashboard (f/m/div)\*

### Job description

Are you an enthusiastic Master's student passionate about Automotive? Do you want to be part of an exciting journey and develop your skills in the field of Firmware Quality Analysis? Then this is your chance to get on board. Join our team in Padova as a Master's Thesis Student and strengthen your core competencies in preparation for a thriving career.

In the Automotive context, the quality of Firmware is becoming more and more important: ASPICE is a quality process standard that is a must for Infineon Customers and brings high effort to Development Team. The aim of the Thesis work is to define and implement an Automation Environment to allow a seamless analysis of the Firmware Configuration Items and produce an overview of the ASPICE compliance status.

During this thesis opportunity, you will:

- Learn how to work within a **professional Automotive Firmware Development Environment**;
- Contribute to the **state-of-the-art Model Based System Engineering** methodology definition;
- Cooperate with another **Automotive Business Line** (in Linz – Austria) as this is a key focus topic for Automotive Division in Infineon.

### Profile

Endowed with good communication skills and a unique team spirit, you consistently contribute to a good team atmosphere. With a structured and autonomous work style, you are a quick learner and can easily adapt to a fast-paced environment.

You are best equipped for this role if you:

- Are a **Computer Science, Electronic Engineering, or Automation Engineering Master Student**;
- Have a good understanding of **RDBMS systems, SQL, SQL queries, and procedures**;
- Are proficient in **Python** (& packages like Pandas, Seaborn);
- Have know-how of **version control tools** (SVN, Git etc) and **ticketing systems** (JIRA, etc);

### At a glance

Location: **Padua (Padova) (Italy)**  
Job ID: **360637**  
Start date: **Sep 15, 2022**  
Entry level: **0-1 year**  
Type: **Full time**  
Contract: **Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **360637**  
[www.infineon.com/jobs](https://www.infineon.com/jobs)

### Contact

**Sara Sá**  
Student Attraction Manager



- Are fluent in **English**.

It is a plus if you also have:

- Proficiency in **analytics** and **database querying tools**;
- Competency in **SQL** Server Integration Services (SSIS), **SSRS**, and **SSAS**, **SQL queries**, and procedures;
- Technical knowledge of **Tableau** Products.

Please send us your **CV in English** so we can get to know you better.

## Benefits

- **Padua (Padova):** 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 Time; Part-time work possible; Medical coverage; On-site canteen; Wage payment in case of sick leave; Corporate pension benefits; Performance bonus; 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.

**– 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.

Does this sound like just the right challenge for you? If so, we look forward to getting to know you!

*\* 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.*

