

Driving decarbonization and digitalization. Together.



Digital Verification Senior Staff Engineer (f/m/div)

Job description

Infineon Technologies Bristol is seeking a highly skilled and innovative individual who excels in deciphering complex technical details and devising effective solutions. If you have a passion for working in a dynamic environment and thrive in a multinational setting, this is the opportunity for you! Join us and be part of a team that is dedicated to delivering exceptional results in the automotive field.

As a Digital Verification Senior Staff Engineer, you will work within the IP Development team in Bristol, a team with a proven track record in successful IP deliveries into the AURIX Automotive Microcontrollers.

In your new role you will:

- Be **responsible for developing System Verilog – UVM testbenches** and solve potentially complex problems related to test bench development
- Be **responsible for developing right from scratch UVC** components for new verification environments;
- Be **responsible for defining and writing a functional coverage model**;
- **Debug failing test cases** to root cause;
- Participate in **reviews to ensure test bench meets quality and is complete**;
- **Contribute to verification perspective** in Design and Concept meetings;
- **Ensure test bench meets sign-off targets**, including **coverage, functional safety and test bench qualification**;
- Proactively **help increase efficiency of verification activities** and mitigate risks early;
- **Contribute to enhancing Verification strategy and architecture of IP testbenches**.

Profile

Although you are able to develop your tasks independently, you work effectively as part of a team, always being willing to both give and take help when necessary. You are able to communicate clearly, and to explain complex technical matters in a clear manner. Furthermore, you have a proactive personality to mitigate risks early, which allows you to perform your tasks in an independent way.

You are best equipped for this task if you have:

- At least **8 years of experience in Verification** working with Verilog and/or SystemVerilog;
- **5 years of experience on IP/block level Test-bench** bring up on SV UVM based platform;

At a glance

Location: **Bristol (United Kingdom)**
Job ID: **HRC0643755**
Start date: **as soon as possible**
Entry level: **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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0643755**
www.infineon.com/jobs



Contact

Cláudia Rodrigues
Recruiter



- The ability to **understand complex design specification, derive features and test bench architectures from concept**;
- **Familiarity with CAD/EDA tools** for Design and Simulation;
- Working **knowledge in scripting languages** for verification environments (e.g **Python, Perl, TCL** would be preferred);
- Strong **background in Digital Logic Design and Verification**;
- Fluency in **English**.

Please send us your CV in English.

Benefits

- **Bristol:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor ; Flexible working conditions; Part-time work possible (also during parental leave) ; Sabbatical; Medical coverage; Labor gymnastics; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; IFX Success Bonus and Spot Awards; Accessibility, access for wheelchairs

Why Us

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

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

The **ATV** division is shaping the future of mobility by enabling clean, safe, and smart cars. Its product and solution offering is powering the decarbonization and digitalization of vehicles. By driving the transition to hybrid and purely electric vehicles, ATV is making a valuable contribution to cleaner roads. ATV is also increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as it takes automated driving to the next stage with higher levels of connectivity, security, and safety.

The ATV portfolio integrates sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon and silicon carbide, as well as components for human-machine interaction and vehicle connectivity. Infineon is the world leader in automotive semiconductors.

[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

– At Infineon UK we highly appreciate and value diversity within our workforce –

At our Design Center in Bristol, we hire the best in class engineers to develop the next generation Embedded Automotive Microcontrollers. Our Sales professionals and Field Application Engineers located all across the UK join forces to provide best in class solutions for our customers applications. Typically, they form part of a Global Account Team.

At Infineon's Redhill Design Center our focus is on developing semiconductor packaging solutions for a broad range of applications. We develop solutions for all of Infineon's business units along with our manufacturing partners located across the globe.

Together we hire engineers with a science/engineering background and provide them with opportunities to develop their careers and skill sets through a combination of training, exposure to subcontractors and involvement in advanced development projects. Our scope of activities goes from the development of Embedded CPUs and ADAS solutions to the packaging of products – we operate across all four divisions of Infineon!

We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant's experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

