



Director SOC Validation & Characterization

Job description

We are looking for Director System Validation and Characterization to manage and provide leadership to a team of engineers & managers responsible for Validation and Characterization for all ICW Silicon.

Description:

This is a WW role in Infineon Technologies for ICW for all ICW products from US, Germany and China come to this shop for Val and Char work.

Role and Responsibility:

- Manage and provide leadership to a team of engineers & managers responsible for Validation and Characterization for all ICW Silicon.
- Manage pre-Silicon validation on the emulation platforms/FPGA systems to ensure full functional coverage for first pass silicon success of all ICW Silicon.
- Manage post Silicon validation to ensure all functionality is well tested under stress conditions.
- Manage post Si characterization of all ICW Si to ensure all performance parameters of the peripherals are met across PVT.
- Develop test infrastructure including validation and characterization boards, processes and automation for execution efficiency
- Prepare test plans for validation and characterization; ensure coverage of all functionality and performance parameters with clear traceability to requirements.
- Bring-up of new devices, ensuring specification compliance and delivering engineering samples in a timely fashion.
- Direct engagement with sales, field and customers as needed to ensure design WINs and to support customer return/debug.
- Ability to drive/support Failure Analysis, Fishbone and 5 Why techniques for FMEA and RCA
- Collaborate with cross functional teams (Design, DV and Systems) to ensure the quality and synergy between verification and validation plan.
- Develop in-depth knowledge of the peripherals in the team to support the peripherals for SW development of the drivers, customer queries, supporting L2 etc.
- Manage the team and Involve in all aspects of people management: 1-1s, Staff meetings, Team all-hands, career progression, workforce planning, hiring and retention. Fully own these functions for the WW ICW group with the team based in Bangalore.

At a glance

Location: **Bangalore (India)**
Job ID: **353555**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **353555**
www.infineon.com/jobs



Contact

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- Maintain the lab for validation and characterization, making decisions on procurement of equipment, drive newer methodologies to scale the operations, and lab expansion to deliver on the projects.

Profile

- Semiconductor professional with 22 years of experience with a proven track record of strong technical contributions in product development and people leadership of large teams .
- He has significant experience in verification and validation functions both as individual contributor as well as team management roles in large MNC companies including Texas Instruments and AMD.
- He demonstrates strong focus on execution, innovation and development of cutting edge digital and mixed signal analog products that have accelerated revenues.
- BTech/BE, MTech/ME (Preferred)
- 20+ years of VLSI experience including managing validation, Characterization and test teams
- Proven track record of delivering high quality silicon validation results and reports to meet customer expectations
- Good understanding of silicon design flow especially verification, DFT and Test.
- Enabling customer design-ins through delivery prototypes and eval boards.
- Strong understanding of the differences between simulation (pre-silicon) environment and post-silicon environment in terms of functionality and customer application.
- Excellent analytical, prioritization and decision skills supported by continuous learning.
- Proven track record of leading teams.

Benefits

- **Bangalore:** Coaching, mentoring & networking possibilities ; Wide range of training offers & planning of career development; Regional and local talent programs; International assignments; Career paths: Management career, Project management career, Technical ladder career, Individual contributor career, Professional career; Flexible work timing, Part time work, Work from home; Home office; Health & wellness reimbursement, Employee motivation forum, Spoorthi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Mediclaim (dependents & top up), Personal accident, Term life; National Pension Scheme; Health promotion programs; Statutory benefits; Access for wheelchairs; On-site canteen; Paid sick leave, long term illness leave; On site Yoga classes, Sports club

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.

– 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.

