



## Senior Staff Engineer Verification & Validation

### Job description

We have a new role for a Senior Staff Engineer Verification & Validation. Have experience in pre-silicon verification and post-silicon bring-up? Apply now!

In your new role, you will:

- **Actively participate in definition of Verification infrastructure** including test bench components, testcases which are scalable and portable across various projects and platforms
- **Define verification strategy** (constraint random, Formal, Directed etc.) for IP/Chip /System level verification
- **Identify, document and execute test plans on verification platforms**, develop and debug random constrain verification test suite to fully verify the design under test
- Experience **pre-silicon Verification of designs** which include multiple processor cores and other custom logic
- Actively participate in **post-silicon bring-up**, validation and compliance testing
- Actively participating in cross functional collaboration with design, software and hardware teams to ensure a successful product delivery

### Profile

You are best equipped for this task if you have:

- **Solid understanding of verification methodologies** and one or more of the standard **testbench languages**: SystemVerilog (OVM/UVM), C/C++, Perl, Tcl scripting
- Experience in developing verification infrastructure for complex IPs/Subsystem /SoCs
- Very good knowledge of **SoC verification** which covers reset, clocking, power transitions, io-muxing, DMA etc
- Knowledge of **industry standard interfaces** like PCIe, USB, AMBA, SDIO and MIPI standards are highly desirable
- Familiarity with functional coverage, code coverage, other coverage metrics
- Knowledge of **processor based SoC verification** which includes, ARM core programming, boot process, error exceptions, handshake b/w processor and testbench is desirable
- Familiarity with **pre-silicon validation and post silicon validation** flow is a plus
- Good understanding of **power aware verification and GLS**

### At a glance

Location: **Bangalore (India)**  
Job ID: **317994**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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- Knowledge of **C, python, tcl, perl** etc. for developing SoC verification test content and scripts

## 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.**

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.

