



Staff Engineer

Job description

A design methodology expert on front-end digital ASIC development flow design methodology development, evaluation, automation with an extensive CAD flow programming and algorithm development background. DES CD DMFE in Bangalore, India Design Center, owns the major portions of design implementation methodology /flow in ASIC Semi-Custom design flow and provides world-wide support. We constantly improve our design methods to improve design development flow quality that yields best-in-class PPA improvements for design under implementation and tool run time reduction.

In your new role you will:

- Perform **RnD on cutting-edge design methods**: Identify gaps in current design flow in terms of improving PPA & propose a solution (or) add new feature, execute CAD projects to evaluate, define/implement, deploy the solution to production flow and provide support during production usage.
- **Work closely with design teams** across the globe in both aspects: IP development, SoC integration & implementation and support them on quality issues identified on existing flow/EDA tools/home-grown tools
- Provide solutions to reduce IP vs SoC iterations across the flow
- **Work closely with EDA vendors** to improve the flow quality, resolve issues identified
- Provide **continuous improvement of the existing design automation flow** to support requirements at lower technology nodes
- Provide **continuous improvement of the existing software systems** that automates the SoC logic integration flow and generates collaterals

Profile

You are best equipped for this task if you have:

- Minimum **6+ years of experience in semiconductor industry**
- Must be able to **understand, define and improve design methodologies** anywhere across Semi-Custom RTL-to-GDS IP/SoC flow: RTL Analysis, Design Verification (Lint, CDC, Low Power verification), LEC, Synthesis, DFT, PnR, STA, Power Analysis flow. A rich expertise in some of the mentioned area is must.
- Must have an **engineering expertise to execute Design Flow Development/CAD Projects** to resolve design/platform requirements. This work involves: Gathering requirements to be addressed from design teams, evaluate solutions available in

At a glance

Location: **Bangalore (India)**
Job ID: **316951**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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EDA market, and/or develop custom automation to address the issues, test and deploy. May work with multiple resources and may require to lead & drive project management (plan, schedule, drive)

- As we develop in-house automation by developing software solutions, you must possess a **strong programming background with a proven record in development of large-scale software projects** that are robust and scalable
- As we resolve problems faced in flow, you must possess a good appetite for solving complex problems, that involve many stake holders and impact design performance/schedule
- Must have good **interpersonal communication skills**
- Should have good experience & understanding in **Low-power design methodologies** driven through UPF, timing sign-off and correlation to yield management
- Should have experience in **Scripting languages**: TCL, Python, Ruby, Perl, Shell, etc.
- Added Advantage:
 - Experience in working cross-functional-teams & support. Worked with EDA CAEs and Internal customers is another advantage
 - Experience in performing QA and related automation
 - Experience in technically mentoring junior engineers

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; Medclaim (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.

** 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.*

