



## Staff CAD Engineer

### Job description

We're looking for 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.

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:

- 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 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)
- 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 holder and impact design performance/schedule

### At a glance

Location: **Bangalore**  
Job ID: **318563**  
Start date: **immediately**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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- 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.
- Experience in working cross-functional-teams & support. Worked with EDA CAEs and Internal customers is another advantage
- Experience in performing QA and related automation would be preferable
- Experience in technically mentoring junior engineers is an advantage

