



Staff Engineer CAD

Job description

Process Design Kit (PDK) team focuses on using technology information to develop, test and deploy physical design kits for use in Analog IPs and SoC using major EDA tools used at Cypress Semiconductor. The PDK team goal is to improve design efficiency and productive of design teams and reduce cycle time. The PDK team focuses on the PDK front-end and back-end.

- Schematic and Symbol of basic devices such as FETs, diode, BJT, Parameterized Cells (Pcell), Physical Verifications checks such as DRC, LVS, RCX and tool tech files.
- In your roll you will be responsible for developing or improving existing P cells.
- be developing and maintaining DRC, LVS, RCX and Latchup rules and QAt to meet high quality standards.
- You will be working with Technology and Fab to define design rules and translate them into an accurate Calibre DRC and LVS rule decks.
- Work with the Design Teams, Technology Teams, and Fab groups to understand specifications and requirements.
- Meet deadlines and achieve high level of satisfaction among PDK users.
- Demonstrate strong teamwork, communication skills and work ethics with the ability to address changes and issues with the Device Design and Device Characterization groups in a consistent and effective way.
- Respond effectively to design center requests in a timely and consistent manner.

Profile

- A Bachelor or Master's degree in Electrical Engineering, Computer Engineering or a related discipline.
- Minimum of 1 - 10 years' experience in circuit layout and/or PDK development.
- Good understanding of layout techniques, P cells and verification.
- Thorough familiarity with the Cadence and Mentor Design tools and how a PDK is best used.
- Prior experience in PDK development and good understanding of fabrication processes.
- Good understanding of electronic circuits (circuit design and physical layout) and IC Design Process, Front-to-Back.
- Experience with Cadence and Mentor IC Design tools.
- Strong background in semiconductor device structure will be a plus.

At a glance

Location: **Bangalore (India)**
Job ID: **342097**
Start date: **as soon as possible**
Entry level: **1-3 years**
Type: **Full time**
Contract: **Permanent**

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Contact

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- Strong layout and design verification experience including but not limited to Calibre: DRC, LVS, PERC, Assura QRC
- Proven skills in programming and scripting languages (Python, Perl, TCL, Cadence SKILL)
- Configuration, Release and Build Management will be a plus.
- Formal QA procedures.
- Experience with MS-Office, ideally basic knowledge in working on UNIX/Linux platforms.

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, Spoothi – 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.

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.

