

S.KALYANI**Phone: +91 7330475158****Email:kalyanigirish2020@gmail.com**

Professional Summary:

Focused and resourceful PCB Engineer with exceptionally wide experience in PCB Design engineer. Able to work well independently or as a part of a team.

PROFESSIONAL EXPERIENCE: 9.5 YEARS

1. Organization: Elite Circuit Technologies
Designation: PCB Design Engineer
Duration: From December 2014 – July 2017
2. Organization: People link Unified Communications Pvt Ltd
Designation: PCB Design Engineer
Duration: From July 2017 – Till Now

SKILLS INCORPORATED:

- ✓ Ensured layout design compliance with IPC and manufacturing requirements. Maintained and updated symbol and footprint libraries for schematic and PCB design tools.
- ✓ Designed and implemented various system circuit boards.
- ✓ Have Experience with LPDDR, SDRAM, DDR2 and high speed interface modules.
- ✓ Have Experience with USB, HDMI, LVDS modules.
- ✓ Have Experience with Ethernet 10Base-T/100Base-TX/1000BASE-T, 10Base-T/100Base-TX.
- ✓ Guarding provided for sensitive signals like Clock, Read, Write and Reset etc., Providing Power Planes for Analog and Digital Signals.
- ✓ Developed and submitted schematics and layouts for multi-layer high-speed PCB techniques.
- ✓ Have Experience with length and impedance matching for high speed design.
- ✓ Maintained system documentation of entire PCB layout and fabrication.

PCB LIBRARY MANGEMENT EXPERIENCE:

Experienced in creating, validating, and maintaining schematic symbols, PCB footprints for electronic components. Proficient in ensuring compliance with IPC standards, manufacturer datasheets, and company design guidelines. Skilled in managing centralized library databases, version control, and component life-cycle tracking to support efficient PCB design workflows. Adept at coordinating with design and procurement teams to ensure library accuracy, prevent duplication, and streamline design reuse

- ✓ Created and maintained schematic symbols, PCB footprints IPC standards and datasheets.
- ✓ Managed centralized PCB component library with version control and life-cycle tracking.
- ✓ Verified footprints and symbols for accuracy before release to design teams.
- ✓ Standardized naming conventions and library structures to ensure consistency.
- ✓ Coordinated with engineering, procurement, and manufacturing teams for component validation.
- ✓ Updated libraries with obsolete/replacement parts to ensure BOM accuracy.
- ✓ Conducted periodic library audits to remove duplicates and ensure compliance.

DESIGN EXPERIENCE:

- ✓ Good knowledge in single ,double, multilayer (upto 12 layers) boards design.
- ✓ Good Knowledge in PCB making of both Analog and Digital circuits (micro processor, micro controller, DSP based and FPGA based designs).
- ✓ Good Knowledge in PCB making of both DIP components and SMD components (BGA, GSM MODULES, SOIC, SSOP,TSSOP,QFP,TQFP,SOT,and All SMD Components based designs).
- ✓ Experience in various kind of PCB layout including power PCB design.
- ✓ Hands on experience in PCB Ground stitching, Shield grounding and split plane design.
- ✓ PCB Component Library creation. Library Database Management Isolating Analog and Digital Signals.
- ✓ Maintaining equal lengths for differential signals. Product design, DFA & DFM.
- ✓ Have Experience with LPDDR,SDRAM,DDR2 and high speed interface modules.
- ✓ Expertise in using Blind, Buried vias in PCB layout designing

EDA TOOLS:

- ✓ CADSTAR 13.0, CADENCE 17.2 for PCB Layout, Altium Design tool.
- ✓ Orcad 17.2 for Schematic Development.
- ✓ CAM350 for Gerber checking.

EDUCATIONAL QUALIFICATION:

B.Tech in (Electronics & Communication engineering) from K.G Reddy college of Engineering & Technologies (Chilkur) in 2013.

PERSONAL QUALITIES:

- ✓ Good communication skills.
- ✓ Willing to learn.
- ✓ Good leadership qualities, team work.
- ✓ Positive attitude, strong determination towards the work.
- ✓ Ability to take initiative.

PERSONAL DETAILS:

Husband's name : G. Girish
Present address : 8.3-258, yousufguda,
State: Telangana, Hyderabad
Marital Status : Married.
Languages known : English, Hindi, Telugu.

WORKED ON PROJECTS:

- ✓ X-MOS DSP echocancellor-6layer pcb, XMOS-XVF Series-4layer pcb.
- ✓ UHF TX,RX Bikan chipset 4-layer pcb.
- ✓ KT micro Chipset Antihowling 4-layer pcb.
- ✓ LAN9360 Ethernet AVB Control BGA6-Layer pcb.
- ✓ 2.4G Hz Bluetooth RX,TX Boards 4-layer pcb.
- ✓ Audio Amplifier boards 100Watt, 200Watt-2layer and 4-layer.(TDA,TPA IC's)
- ✓ Audio DSP Mother boards. 2layer pcb.
- ✓ NRF 2.4Ghz TX,Rx boards 2layer pcb's.
- ✓ Touch panel pcb's for CAP1188 2layer pcb's.
- ✓ HDMI SPLITTER 1INX4OUTMatrix and HDMI SWITCHER 4INX1OUT.
- ✓ IOT Boards ESP32 2layer, 4layer pcb's.

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Yours Faithfully,
(S. Kalyani)

