

SOORAJ SHETTY

SUMMARY

Accomplished Senior PCB CAM Engineer with extensive experience at Pioneer Technical System and Wurth Electronic India Pvt. Ltd. Demonstrated expertise in editing Gerber files, creating arrays, and handling HDI, Flex, Rigid Flex and Metal core PCB'S. Proven ability to reduce manufacturing costs while maintaining quality standards. Skilled in process improvement, engineering drawing principles, and manufacturing processes. Adept at working within team environments and solving complex problems. Career goal: to leverage extensive PCB engineering experience to drive innovation and efficiency in advanced manufacturing settings.

Professional Summary

- * 14+ years of experience in the PCB CAM engineering & PCB Process
- * Exposure to FRONTLINE GENESIS 2000
- * Exposure to UCAM
- * Exposure to Create, Array & Panelize it for manufacturability
- * Exposure to Create cam files for flex, Flex-rigid, Stiffener-flex
- * Experienced in Creating impedance coupons, Class-3 Military coupons
- * Experienced in Routing, Milling, Depth milling, Counter bore/sink.
- * Pocket routing & Blind/Buried jobs.
- * Experienced in special process like via fill boards, edge castellations/edge plating & Gold finger process
- * Experienced in Plotting Gerber files, Output files Drill & Rout for CNC machine & Score programming
- * Hands on Experience in Pre-planning work, create impedance control stack-up & controlled dielectric stack-up according to customer requirement
- * PCB Cost and Quote analysis Report preparation. Assembly Drawing and Pick and Place Program for Automatic assembly machines.

EXPERIENCE

PCB CAM Project Manager, 01/2025 - 04/2025

DNK Pharmatech - Mumbai, India

- * Plan and organize work load amongst the team member to get effective output.
- * Partner with other departments within production facility to support day to day on going PCB manufacturing.
- * Working closely with the customer's PCB designer and resolving technical queries observed by CAM team.
- * Accountable for controlling CAM work procedure and providing quality output to production.



CONTACT

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SKILLS

- Understanding of the logic of engineering drawing and principles
- Knowledge of the qualities of metals and other materials
- Knowledge of manufacturing processes and construction methods
- Good communication skills
- Numeracy and IT skills
- Ability to work in a team
- Interest in solving problems and finding practical solutions
- Good color vision
- Process improvement
- Fast learner

- * Preparing documentation for customer specific requirements to deal with repeated quality issues.
- * Handling customer complaint by visiting them to identify problems and resolve issues.
- * Hire and train new candidates for CAM.

EXPERIENCE

Senior PCB CAM Engineer, 09/2015 - 11/2024

Pioneer Technical System - Jeddah, Saudi Arabia

- Company Overview: Pioneers PCB Factory is a major PCB manufacturer in Middle East to serve in diverse customers base such as military, electronics appliance, communication, educational electronics, power supply, computer peripherals...etc

Work area and Responsibilities:

- Editing Gerber files for manufacturability (UCAMX)
- Creation of array, routing & coupons for panel such as impedance, Class-3 Military coupons
- Creation of panel with customer requirements (UCAM)
- Maintaining aspect ratio
- Scaling the layers according to the core value of the material used
- Analyzing copper web to avoid broken in NETLIST after etching process
- Comparing IPC NETLIST files to find shorts & broken
- Conversion of DPF to 274X & PDF for customer approval if required
- Editing high density PCBs with BGA & Blind/Buried via boards
- Creating Flip-Flop boards for unbalanced copper
- Handling critical routing & critical spacing (copper)
- Reducing the cost for the manufacturer based on No of X-outs, no of panels & materials
- Minimum spacing, Minimum Annular ring, Minimum trace width
- Layer construction information Foil/core
- Copper Ounce details
- Critical aspect ratio

Pre-Planning Work

- Creating impedance stack-up, controlled dielectric stack-up
- Assuming copper thickness & calculating board thickness
- Selection of cores & prepreg for standard & nonstandard materials
- Planning to reduce cost of production without affecting quality for end user

PCB CAM Engineer, 02/2008 - 07/2015

Wurth Electronic India Pvt. Ltd - Mysore, India

- Company Overview: The Wurth Electronic group of companies, with headquarters in Niedenthal (Hohenlohe), Germany, has 6,500 employees' worldwide and generated global sales of about € 563 million, with 16 production locations in four

company areas worldwide, Wurth Electronic is one of the most successful companies of the Wurth Group

- Wurth Electronic operates internationally with its four company areas in various markets

Work area and Responsibilities:

- Worked for INPUT/DRC team as a team member
 - Here the responsibilities were to making input of customer data (design), and to checking DFM (Data for Manufacturing)
 - The criteria like Spacing, Tolerance, mask criteria according to plant standards
 - Worked for E-Test as a team member
 - Here the 'IPC' Netlist will be generated to check connectivity within the nets
 - The OPEN and SHORT testing will ensure the result
 - Basic data must be prepared in Engg
 - Toolkit GENESIS
 - And 'IPC' is generated using ADAM software
 - Quotation team - ORBIT (Offer research by information technology)
 - Analyzing the Gerber files in depth & Quotation creating as per design parameter, Customer requirement
 - Having basic knowledge about IPC Standards / CTI / CTE (Single Sideboard - High Layer Board 24 layer) etc
 - Having knowledge about Stack up & Material Build up (Laser , Blind & Buried Vias)
 - Impedance /TG 150 & TG 180 Halogen free material
 - Knowledge about Panasonic /Isola /Nalco / Ks 400 & Ks 600 / Rogers / IMS Aluminum / Technolam / Arlon / IT 158 Material / Micro via, Buried , Back drill Etc
 - Have Knowledge of Peel able Layer, Kapton layer, Depth Milling, Chamfering, Countersunk, Gold Connector, Test Coupons, Edge plating, Nutzen placement according to utilization etc
 - Having knowledge about having knowledge about IPC 4761 Via filling / via plugging /via's Covered / via's capped / Laser filling / Stacked Vias & Staggered Vias
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TECHNICAL PROFILE

Windows 9x, Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10, Frontline Genesis 2000, UCAM X, Auto-cad, C-language, MATLAB, Electronic workbench, Microsoft Office Suite, Internet Browsers, FTP

PERSONAL INFORMATION

Date of Birth: 2nd March 1987

Gender: Male

Marital Status: Married

Hobbies/Interests: Listening to Music, Playing & Watching Cricket

Permanent Address: Honnavara, Karnataka, INDIA

LANGUAGE PROFICIENCY: · To read & write : English, Kannada, &

Hindi. ·

To speak : English, Kannada, Konkani & Hindi.

Basic knowledge of Tamil, Telugu & Arabic

AWARDS

- Best performer award
 - 2010
 - 2011
 - Special performer award
 - 2013
 - 2014
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HOBBIES AND INTERESTS

- Listening to Music
 - Playing Cricket
 - Watching Cricket
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EDUCATION

Diploma, Electronics & Communication Engineering

Shree Vidyadhiraj Polytechnic - Kumta, India

Board of technical Education Bangalore

BCA, Computer Application

Mysore University

From KSOU

DISCLAIMER

I hereby declare that the above furnished statements are true, complete and correct to the best of my knowledge and belief.

Place: Honnavar

Date : 07/12/24

Signature

Sooraj Shetty