

Mohmed Anees M

Chennai - 600117

SUMMARY

Certified Project Management Professional (PMP), with experience in various industries like Defense & Aerospace, Industrial Automation and Medical electronics. Involved in product development right from the conception of idea / gather customer requirements, Design/Build the product, do compliance testing, address both Functional & Non-Functional requirements, prepare project plans, track the timelines and handle the project until final end of production phase / sign-off from customer. Experience and expertise includes:

- Schematics capture
- Circuit simulation - PSPICE
- Signal Integrity Analysis
- PCB Thermal Analysis
- Board Design
 - Analog boards
 - High speed Digital boards
 - Mixed Signal boards
- Testing & Debugging of PCBAs
- Converting ideas into products
- EMI/EMC Testing and compliance
- Product development – Turnkey solutions
- Knowledge in Medical Electronics, Defense and Industrial automation
- Microcontrollers – ARM Cortex

WORK EXPERIENCE

American Megatrends India Pvt. Ltd., Chennai

2013-Till Date

A world leader in Embedded, BIOS, Mobility Solutions, Data Storage Solutions and Healthcare IT Solutions

Project Leader

- Lead a team of Engineers in design and development of Medical devices like Automatic Blood Pressure monitor, ECG monitoring, Glucometer, Spirometer, Multi-functional portable medical devices, etc.,
- Technology / Skills: Analog, Digital and Mixed signal board Design, Product development, Documents preparation (Technical & Non-Technical), Testing and bring-up of product & Hardware modules and Project Management
- Right from capturing the requirements, making Proof of Concepts for the ideas, Lead a team of Hardware and Firmware for design and development of the product, close interaction with various departments like PCB designers, Purchase, QA & QC, Testing (Both functional & reliability), Mechanicals, Supply chain management, Manufacturing, Documentation and software application teams, carrying out regulatory / compliance testing, until the final files are handed over for mass production, while managing the overall project, complying with the process requirements and reporting to the management at regular intervals.

Perftrends Technologies Pvt. Ltd., Chennai

2011-2013

Service provider of ASIC development and Embedded product development

Project Leader

- Requirements gathering, Managing the project and team, tracking the schedule, Lead the Design team, generate all required deliverables, Demo at DRDO Labs and getting final sign-off from the customer.
- Work on various technical proposals, attend technical questionnaire sessions during bidding process.
- Nature of projects involves System On Chip (SoC) Evaluation Boards, Dosimeter, Vehicle Tracking System and Geo physical Electromagnetic recorder.

Trigent Software Ltd., Client location - Honeywell Automation India Ltd, Pune

2010-2011

Provides design services for various clients, especially in the field of Industrial Automation

Senior Hardware Designer

- Hardware Design & Development, Schematics designing, BOM generation, providing PCB design guidelines, Preparation of design documents, Board bring-up, Unit testing and integrated testing of devices like Fluid flow meter, Customized power supply modules and Test jigs for unit validation.

American Megatrends India Private Limited

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HCL Infosystems, Chennai

It's an India-based distribution and information technology services and solutions company

Engineer R&D

- Requirement Capturing, Design /Development, Schematics designing, BOM generation, Preparation of design documents, Proto testing and delivery of the project till project sign off
- Nature of products involved includes Electronic Warfare – Target tracking & Polar display unit and LED Matrix boards

Indus Teqsite Pvt Ltd / Data Patterns India Pvt Ltd., Chennai

2005-2007

Data Patterns is India's leader in indigenously developed electronic systems in the Defence and Aerospace domain

Hardware Design Engineer

- Interaction with the customer, Understanding the requirement, Design / Development and testing the prototype board & ATEs
- Make field trips for demo/installation until project sign off.

Ashok Leyland, Chennai

2003-2005

It is the 2nd largest commercial vehicle manufacturer in India

Junior Engineer – Plant Engineering

- Maintenance and calibration of Automatic Engine test beds, conveyor lines, overhead motorains and CNC & PLC machines

EDUCATION

Bachelor of Technology (Information Technology)

Anna University, Chennai

Diploma in Electronics

NTTF, Bangalore

SOFTWARE

- Orcad, PSPICE, LTSPICE,
- PADS PCB, Hyperlynx, Allegro, Altium Designer
- Rowley Crossworks, ProE, Microsoft Office

HARDWARE

- Digital Storage Oscilloscope,
- Digital Multi-meter
- Power Supply and Function Generator
- Logic Analyzer and Spectrum Analyzer

PATENTS AND ACHIEVEMENTS

- **Patent:** “Novel Noninvasive Blood Pressure Monitoring Algorithm” (201641004986)
- **Patent:** “Wireless wearable Vital and Activity tracker” (1516/CHE/2014)
- **Patent:** “Modular Wireless Vital Signs Monitoring Device” (1616/CHE/2013)
- Got **AMI Paresh Chatterjee ‘Technologist’** award for the year 2015-16 - a Single award for the whole of AMI India, for outstanding contribution towards improving organizations technology goals.
- Got **AMI Star Performer** award for the year 2012-13
- Received an appreciation letter from **Indian Air Force, 12 BRD – New Delhi** for dedicated work and high customer satisfaction
- Certified Project Management Professional (**PMP**) on Apr 2017

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