

Responsibility:

- Experience: 5+ years-MBD, SIL validation & HMI Cluster Apps development
- **Team: Body Control Module (BCM)** - Model Lead & SIL Lead for some projects & HMI - Cluster Apps development and testing
- Experience in complete Model development and algorithm implementation in Statemate and Cluster software requirement implementation with testing
- Code Generation for Model (Statemate) & check model analysis
- Rhapsody model design for RTE generation
- Static Analysis Test to check efficiency of generated Code
- MISRA and Coverity analysis
- BCM application software functional validation (SiL testing)
- Primarily involves Analysing the requirements, finding out the requirements issues and then Software in Loop validation
- Composite ARXML testing for AUTOSAR Programs
- Identify requirement deficiencies and perform review (RAC and RAR)
- Code compilation and delivering using with GIT server and DevNext
- Develop test cases, analyze and validate results for generated code in DanLaw Micromax
- Debug auto generated code and perform root cause analysis to find software model deficiencies
- Debugging the code with TRACE32 and LAUTERBACH
- Analyze issues reported by vehicle test teams with logs using Vector CANalyzer/CANoe
- DVP&R, Regression test and code coverage reports
- Establish Requirement Traceability Matrix(RTM) in IBM DOORS/DNG
- Configuration management in IBM Rational SYNERGY

Education

Master of Engineering in Embedded System Technologies -College of Engineering Guindy, Anna University, Chennai

Technical Skills

C, Embedded System, MATLAB, Statemate (MBD/ Stateflow), Rhapsody, Eclipse, DevNext, GDT studio, Menu Configurator, Micromax by Danlaw, Visual-studio, TRACE32, Polyspace (Static Analysis), IBM Synergy, IBM DOORS, DNG, GIT Server, RTC, Figma, Vector Canalyzer and Notepad++

Working Experience

- Working as a Senior Engineer at **ALTEN INDIA PVT LTD**, Bangalore from March-2022 to till date
 - Client Name: VISTEON TECHNICAL AND SERVICES CENTRE Pvt Ltd
- Worked as an Engineer at **HINDUJA TECH LTD**, Chennai from Oct-2019 to Feb-2022
 - Client Name: FCA Engineering Pvt Ltd
- Worked as an Assistant Software Engineer at **AKAS MEDICAL**, Chennai from Jan-2019 to Aug-2019

Significant Projects

INSTRUMENT PANEL CLUSTER Apps Development

Functional Owner for systems viz. Connectivity features: Message, Music, Compass and Phone.
Warnings: Total 80 feature warnings.

INSTRUMENT PANEL CLUSTER and HMI - Apps Development and Testing

Software Requirement analysis, Rhapsody Model design, Requirement based code development, Code Debugging Role, Testcase creation, Functionality testing, Task creation, HMI issue analysis and root cause identification.

Role/Responsibilities : **REK Cluster** - Software Developer for HMI. Analysis the requirements and implement the feature as per the spec.

Tools : Rhapsody, GIT server, DNG server, RTC, DevNext, Eclipse, GDT Studio, Figma, Menu Configurator, TRACE32, Visual - studio, Notepad++ and Vector Canalyzer.

BCM Software component

Functional Owner for systems viz. Fog lights, Defrost, Internal lights, Interior lights, UGDO & Turn lights.

MBD & Software in Loop-BCM module

Requirement based model development -Stateflow, Requirement analysis, Testcase creation, Technical Reviewer for Sil team, BCM issue analysis and root cause identification, Code Debugging

Role/ Responsibilities : BCM - SIL Lead for RAM trucks

SIL Feature Testing Engineer for Jeep (Wrangler, Grand Cherokee, Cherokee and Compass), Maserati, RAM trucks, Dodge Durango, and Dodge Challenger.
BCM Modelling Lead for RAM trucks and Chrysler Pacifica

Feature implementation engineer for all Powernet Architecture

Tools : Micromax by Danlaw, IBM Rational Statemate, Visual - studio, Matlab, IBM Synergy, IBM Rational Doors, Jazz-ALM

BP MATE-Monitor

The BP Mate is accurate blood pressure determinations cannot be overemphasized. To obtain accurate blood pressure readings, the user requires an accurate pressure measuring instrument, the correct size cuff as it relates to the circumference of the limb and Good measurement technique.

Single Parameter monitoring-BP MATE

BP mate is intended to measure blood pressure of patients Non-Invasively (NIBP) using OSCILLOMETRIC method, with an accuracy of ± 5 mmhg* and standard deviation of ± 6 .

Role/Responsibilities : Analysis the requirements and implement the feature as per the spec.

Also involved in hardware level debugging at tuner module interface

Tools : Keil μ vision 5

Academic Qualification

Degree	College / University	Year of passing & %
M.E- EST	College of Engineering, Anna University, Chennai	2018 [% : 69.40]
B.E- EEE	Adhiyamaan College Of Engineering(Autonomous), Hosur	2014 [% : 75.10]
HSC	Reliance Matric Higher Secondary school, Namakkal	2010 [% : 63.08]
SSLC	Government Higher Secondary School, Salem	2008 [% : 83.80]

I hereby declare that the above said information are true and correct to my knowledge and belief.

Date :

Place:

Thanks & Regards,
(Dhina D)