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Objective:

Setting up Build a best-in-class engineering team that delivers excellent results through rapid iterations, out of the box approaches to solve complex and ambiguous problems.

Key Skills:

Results oriented | Quality & Process ASPICE & PDP2.0 focused | People management | Project/Program Management | technically competent and up-to-date | Multi –site coordination worldwide | Vendor Management | Outsourcing Management | AGILE project management | Sprint planning for product development.

Professional Summary:

- 25 years of good experience in **Senior Engineering Manager**, **Leading Functional Safety Competency and Autosar team** of size **60+ engineers**, Project Management, Lead, Design & Development of Automotive Active Safety (ADAS), Driver Monitoring product
- **6 years working experience in UK** (3.5 years at Visteon UK and 2.5 Years at Delphi/APTIV Technical center Gillingham UK)
- Visited multiple times to **Shanghai & Germany** participated in Customer Meeting/Reviews, Workshop, Project Audit/Assessments, Vehicle testing.
- Performance review of the teams on quarterly/Half yearly/annual meetings, and identifying gaps and filling it as required
- Recruitment, controlling the attrition in the team
- Project planning, effort estimation analysis, scheduling projects and managing resource allocation.
- Good working experience in Active Safety (ADAS) FLR/MRR and SRR products, it deals with Adaptive Cruise Control, Front Collision Warning, CIB, Blind Spot Detection, Cross Traffic Alerts, Rear Collision Warning, SEA etc and Driver Monitoring product.
- Experience in Software Development Life Cycle ASPICE L2/PDP2.0 process
- Good working experience in DaVinci Tools, CANFD, J1939, CANoe, CANalyser Keyword on CAN, UDS protocols
- Completed Functional Safety ISO 26262 L1 training
- Excellent oral and written communication skills and strong mathematical & analytical skills.
- Strong people/project/process management skills with ability to plan and organize
- Strengths: Discipline, Responsibility, Get work done, Team work, Focus and identifying people strengths.

Key Areas Of Expertise

- Product Development Delivery of Active Safety, DMS, Power Train, Infotainment, Cluster
- Autosar, MCAL, Embedded Software design and development
- Process, Methods, FuSa Audit & Assessments and Tools

Skills:

- **Languages:** C, C++, ADA, Assembly.
- **Operating Systems:** MMOS, RTOS, WINDOWS 95/ 98, Unix.
- **Tools:** DaVinci Config/Developer, Vector Cast, GTEST, RTRT, Polyspace, Coverity, Simulink, Stateflow, CANoe, CANalyser
- **Microcontroller and Peripherals:** Aurix TC39x, TC297x, RR Ultra S32R274, RR Ultra2 S32R294, RH850, Intel 8086, 8085
- **Products:** ADAS, DMS, Power Train, Infotainment
- **Debugging Tools:** LAUTERBACH, CubeSuite+, Keil Simulators, ICE, IDE of Hitachi.
- **Configuration Management:** Polarion, Doors, Plastic, JIRA, CM Synergy7.1**,** Clear Case, Clear Quest.
- **Protocols:** CAN-FD, KWP2000, J1939, UDS, Mil-Std –1553
- **Compiler :** Tasking, Windriver Diab

Professional Experience:

1. Working as **Senior Engineering Manager, Engineering Manager at Aptiv Component India Pvt. Ltd** Bangalore India from **Oct'2010 to till date**.
   Worked as a **Software Project Lead at Aptiv Component India Pvt. Ltd. Gillingham UK.** from June **2008 to Oct'2010**.

2. Worked as a **Project Lead at Wipro Technologies** Bangalore, India from Oct'2003 to June'2008.
   From Wipro deputed to **Visteon UK Ltd, Basildon, Essex, UK and worked as a System Engineer** from Nov'2004 to April 2008.

3. Worked as **Senior Software Engineer at Satyam Computer services Limited**, Bangalore, India from Jan'2001 to Sept'2003.

4. Worked as a **Member of Technical Staff at CG-Smith Software Limited**, Bangalore, from Feb'2000 to Dec '2000.

5. Worked as a **Software Engineer at Aeronautical Development Agency (ADA)**, Bangalore, India representing from Symmetric Tech. Pvt Ltd. from March'98 to Jan'2000.

Awards and Recognitions

- People Caring

- Execution Lead Award

- Spot Award

- Received appreciation letter for designing the efficient modules in Radio projects from customer Visteon UK Ltd

- Received appreciation from VW customer for the success of project**.**

ACTIVE SAFETY PROJECTS:

March'2013 – till date

Working in MRR/SRR products.

MRR product supports Adaptive Cruise Control with Forward Collision Alert (ACC/FCA) and Collision Imminent Braking (CIB) system features. MRR product is deployed in NA/EU/APAC customer vehicles.

SRR product supports Blind Spot Detection (BSD), Lane Change Assist (LCA), Rear Cross Traffic Alert (RCTA), Rear pre-crash (RPC) and SEA features. SRR product is deployed in NA/EU/APAC customer vehicles.

Role: Engineering Group Manager (EGM).
Responsibilities:
- Resource planning, Hiring and identification, training plan
- Project planning, execution, evaluation, audit and customer reviews
- Technical guidance, debugging
- Team building activity for cohesive team
- Performance Evaluation and appraisal
- ASPICE Process Adherence.
- Risk Management: Identify Risks, Mitigation/Contingency Plans, Risk Tracking
- Implementing the AGILE METHODOLIES, SCRUM Team Planning/Execution
- Manage day-to-day business activities and report to the leadership team

POWERTRAIN PROJECTS:

Oct 2010 – March 2013 Aptiv/Delphi Automotive Systems Ltd. Bangalore.

Worked as Engineering Team Lead for Light Duty EU 5 and 6 Power train diesel projects, it includes

S/W Unit testing using RTRT & Polyspace tools, worked on S/W integration testing with ECU for Light Duty EU 5/6 projects. Worked on Medium Duty projects on S/W Unit testing using RTRT & Polyspace tools, S/W integration, System validation on bench and Vehicle testing.

Role: Engineering Team Lead (ETL)
Responsibilities:

- Resource planning, Hiring and identification, training plan
- Project planning, execution, evaluation, audit and customer feedback
- Technical guidance, debugging
- Team building activity for cohesive team
- Performance Evaluation and appraisal, 17 Engineers were reporting and working on various projects
- GSCP Process Adherence
- Risk Management: Identify Risks, Mitigation/Contingency Plans, Risk Tracking.

Jun 2008 – Oct 2010 Aptiv/Delphi Diesel Systems Ltd UK

Worked as a Software Technical Lead for DCM3.7 and DCM 3.3+ ECU projects, I design and developed CAN diagnostic system for SSYNG-YONG and VW projects and implemented encoding and decoding of the CAN messages. I extensively worked in developing the CAN DIAG, J1939, UDS, Keyword on CAN and OBD services for EU 5 & 6 projects and worked in EGR Circuit temperature model, EGR flow calculation and selection, Cruise Control modules.

Role: Software Technical Lead
Responsibilities: Project release activity, integrating the software packages and creating the software baseline for release.

RADIO PROJECTS:

Nov 2004 – June 2008 Visteon UK Ltd – Essex UK.

Role: Software Engineer.
Responsibilities: Components developed Input manager, Front Board, Illumination, Automatic Volume Control (AVC), Steering Wheel Control (SWC), Keycode and VIN security.
Components Tested: HMI, DAB, BVC, Tuner, 6CD, 1CD, Phone, VRM, Diagnostics, Clock, Illumination

Feb 2000 –Nov 2004 - Worked on other major Automotive projects.

Responsibilities: Analysis, Design and Development, Reverse Engineering using the UML, Simulation, MATLAB, Simulink/Stateflow

- PASA Legacy Radio Software Reverse Engineering and Code Review:

- Active Control Retractor (ACR)

- Traction Control (TC) Modeling

- Tire Pressure Monitor System (TPMS)

- Continuo's Variable Transmission (CVT)

- Passive Anti-Theft System (PATS)

Instrument Cluster Projects:

1. G100 Combi Meter

2. I380 – Multidisplay

Aerospace Projects:

March 1998 – Jan 2000 worked as Software Engineer in Aeronautical Development Agency (ADA)

1. Digital Fuel Gauging & Monitoring (DFM – EU)

2. Environmental Control System Controller (ECSC)

I worked as a Verification and Validation Engineer; it involved writing test scripts and test cases for White Box and Black Box testing.

Educational Qualifications: B.E Electronics & Communication with First class from Bangalore University, November 96

College: Visvesvaraya College of Engg. (UVCE) Bangalore,

<u>Other course attended:</u>

Effective Marketing techniques and communication Skill
Business Etiquette.
Software common process
Six sigma Yellow belt
Leadership and Lead with excellence
Cultural Workshop
Assertive leadership & decision making