Professional Summary

Accomplished Engineering Leader with 2 decades of experience in the automotive industry, specializing in CAE/FEA, product development, and team leadership for commercial and passenger vehicles. Expertise in, **Durability**, **NVH**, **Safety and proven ML Enthusiast**. Proven track record in delivering innovative and cost-effective solutions, driving digital transformation, and fostering global collaborations. Strong background in managing multi-disciplinary teams, optimizing processes, and supporting strategic initiatives for sustainable vehicle development. Holds 2 patents and 3 tech publications. Experienced in developing future product roadmaps and leading product/system design for global clients.

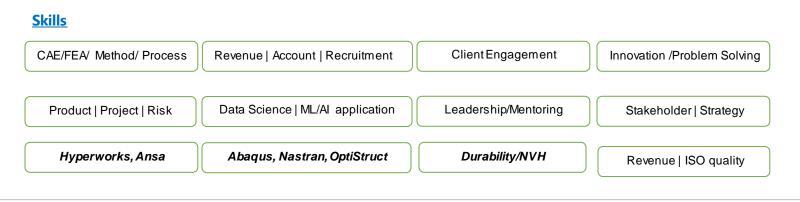
Leadership & Team Development: Extensive experience managing and mentoring teams, with direct responsibility for many engineers across CAE, Data Science, and E-mobility domains.

Product Development & Optimization: Expertise in **CAE analysis** (Durability, NVH,), **Body Engineering**, and **Simulation-based Design** for **Truck CAB/Chassis** components.

Cross-Functional Collaboration: Leading collaborative efforts with global engineering teams (Germany/Sweden) and, suppliers to meet customer needs.

Digital Transformation & Innovation: Proven experience in driving the digital design, simulation methods, and continuous product and process improvements.

Project & P&L Management: Skilled in managing budgets, resources, and deliverables while driving engagement for **CAE** and **Advanced Engineering** projects.



Achievements

- Best V & V engineer @Altair 2012: For testing HW13.0 and finding bugs and suggesting enhancements
- Best employee Award @Altair 2013: For on time and quality deliverables for GMTCI NA and Korea projects
- Above and Beyond Call of Duty- 2016, 2018, 2021: Process development for optimization, mirror blurring and NVH HUB
- Speaker at International CAE conference, Italy 2016
- Process Innovation Award 2018 for developing a method and target for image blurring in outer rear-view mirror
- Star Award -2019
- 2 Patents -2023 | 3 Papers 2014,2016 (including 1 in SAE)

Certifications

• Certified Scrum Master | A2 in German | Alison certified Project Manager | ISO 9001: 2015 Lead Auditor participation

Education

- Strategy, IIM Kozhikode, 2020
- M. Tech Manufacturing Engineering, PESIT, 2011 Fatigue Life Estimation of AI based Composite using MSC- Fatigue
- B.E., Mechanical Engineering, MSRIT, 2005

Work Experience

Delivery Manager, ASM Technologies, Bangalore, Jan 2024 – Present

Management Responsibilities (Team Size - 30)

- Responsible for a large headcount for multiple accounts in CAE and DATA SCI
- Onboarded 2 high-value revenue stream accounts in a single quarter (Volvo Aftermarket and Data Analytics for Cabin Engineering)
- Vendor, Supplier, Software License and RFQ Management,

Technical Responsibilities

Identified and solved problems during Swappable Battery Station product development along with providing weight reduction measures
Envisioned and spearheaded the creation of

- o An innovative, user-friendly ML app that delivers quick, reliable, and straightforward predictions across a variety of challenges.
- A script for aftermarket which goes through many pages and indicates the location and type of missing data (service procedures)
- E-Mobility range predictor and charging station locator based on dynamic factors such as traffic, passenger capex and vehicle loads

Project Manager, Tata Technologies, Pune, Aug 2023 - Jan 2024

Management Responsibilities (Team size – 5)

- Ensure effective manpower utilization through proper SOWs for NPD and VAVE projects and goal setting
- Started engagement with pedals team

Technical Responsibilities

- · Leading Chassis CAE team to deliver cost effective, light weight components in pre-development stage
- Confirm all PAT relevant to Chassis CAE are met in pre-development & to minimize cost by replacing physical tests with digital means

Senior Technical Lead, Mercedes Benz R&D India, Bangalore, May 2014 – Aug 2023

Management Responsibilities (Team size- 10)

•Established 4 collaborations (~10FTE) through execution of pilots and pitching cases to internal customers

•Collaborating with more than 40+ stakeholders across different cross-functional groups across the globe to facilitate product integrity *Technical Responsibilities*

Pioneered a groundbreaking methodology for optimizing automotive trims, resulting in a 25% reduction in weight (*OptiStruct*)
Established a novel method -*FRF (SOL111 & 103)* to predict & counter image-blurring & prevent snap break for mirror systems (*Abaqus*)
Functions optimization to meet full vehicle (BiW) NVH targets, trims and castings weight reduction (*Nastran and OptiStruct*)
Reduced hardware testing by 100% for certain homologation/regulation requirement(s) & automation to minimize repeated tasks
Problem solving issues in a collaborative way at Design (DVP) gate reviews

Team Leader, Altair Engineering, Bangalore, May 2012 – May 2014

Management Responsibilities (Team size - 11)

Developed and led a team of 10+ analysts for static/modal/stiffness analyses of GMTCI projects on PT mounts, brake and fuel systems
Work estimation, resource utilization, efficiency, competence, customer engagement, delivery, RCA
Quality Assurance and Manual Testing of Hyperworks 13.0 suite

Senior Analyst, Chivaro | Piaggio | Voith Engineering, Bangalore, Sept 2010 – May 2012

Management Responsibilities

Grew the Voith (startup India operations) -Airbus account by 4 times (together with the CTO) in a single quarter when posted as SPOC
Led a team of 5 people for model build (meshing and integration using *Hypermesh*) for A320 wing at Airbus

• Report project outcomes/potential risks to appropriate channels, escalating issues and resolution, Lead training plans.

Analyst, Volvo (deputed through Cades), Bangalore, Aug 2007 - Sept 2010

Technical Responsibilities

• Successful pilots on *static & modal analyses* of truck chassis equipment & secured projects from Lyon site (Renault) [Ansa & Nastran] • Recommended design changes (CRIDS) on trailer connection bracket, which resulted in cost savings

GET/Project Engineer, Wipro Quantech, Bangalore, Jul 2005 – Aug 2007

• Trained and mentored a group of 12 people in Hypermesh