

Gagandeep Singh Saini

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Objective: Seeking BIW / Exterior design manager position in automotive industry.

Skills Summary

- **15.7 years** of experience in design and development of **BIW (Upper body, Underbody & Body exterior), Closure & Exterior parts**.
- 7 years of **project lead** experience in Honda and Chrysler, delivering successful models as Honda WRV and Honda Amaze.
- Solved with my team parts **manufacturability problems**. (Fr Spacer, Cover Front Grille, Fr Bumper, C-pillar, Roof rail etc).
- Managed a team of 23 engineer and controlled **drawing issue** schedule, **Styling Feasibility**, designed parts **manufacturability** and **development schedule** of parts.
- **Solved productivity problem** arising during the development of WRV. (Example: - Fr Bumper Sagging, Roof rail bending, Front glass molding coming fitting problem, Rear license garnish coming off etc)
- **Cost calculation** and **weight management** for Sheet metal and plastic parts.
- Developed cost calculation methodology for designers for effective target setting for sheet metal and plastic parts.
- Knowledge of design software like **Catia, UG, Ideas** etc. required for designing a part.
- Design and Manufacturing experience of **Press tool, Plastic mould, Jigs and fixture** which help in fast and cost-effective designing of parts.
- **Cost down idea generation** and **implementation** for BIW and Exterior parts.

Work Experience

Expleo Group:- Project lead Exterior / Interior parts

2021 – Present

- Project lead for a SUV project for PSA project.
- Managing 23-member team spread in Europe and India for design and development of Exterior and Interior plastic parts. (Bumpers, Door trims, Exterior part, IP, console, hard trims etc)
- Guiding team members in creation of Master sections, 3D part making, manufacturability, productivity etc.
- Coordination with TCS team and PSA teams for design of parts, RFQ release, Cost down activities & development of parts at supplier end.

Honda Cars India Ltd. – Deputy Manager Design & development of BIW / Exterior parts.

2014 – 2021

- Project lead for new Honda Amaze and Honda WRV. Honda WRV being **the first project** developed by Honda India R&D.
- Schedule management for design releases, Testing and development of parts at supplier end.
- Design Concept generation at start of project thereby achieving all target of Packaging, Crash, Durability, Manufacturability and productivity.
- Cost calculation and weight management for Sheet metal and plastic parts.
- Solved productivity problem (Roof rail bending, Front glass molding coming fitting problem, Rear license garnish coming off, Tailgate garnish breakage problem, Cover front grill difficult to install, Front bulkhead sagging, Front seat belt getting struck etc) during mass production of Honda WRV and Honda Amaze.
- Created ideas to decrease the cost by material change, yield improvement and using parts across different models.
- Worked in Honda R&D Japan and Thailand for Honda WRV and Honda Amaze.
- Created 3D surface modeling by using Catia and issued drawing.

Fiat Chrysler India Ltd. – Project Chief Advanced Concept Engineering.

2013 – 2014

- Created concept of changing door type from slide type to swing type in new Town and Country.
- Worked with styling and CAE for attractive design and performance improvement (Torsional, Bending, Crash, Durability etc.)
- Worked on styling feedback of Fr and Rr bumper for Town and Country.
- Reduced weight by 1.2 kg by doing weld flange optimization.
- Created cost down ideas for fiat Linea and Fiat Punto.

Renault Nissan India – Sr Engineer BIW**2010 – 2013**

- Design and development of Rear body BIW parts for Datsun Go and Datsun Go+ (Body Side Outer, Rear Wheelhouse outer, Rear Pillar assembly, Fuel lid assembly, Base rear combi, Rear Panel, Base fuel filler etc.)
- Weight Reduction of Pillar rear inner 0.8 Kg by increasing stiffness of parts thereby deleting reinforcement.
- Cost calculation and weight management for Sheet metal and plastic parts.
- Reduced cost of Base fuel filler by 13% by changing material from SP123BQ (Extra deep draw steel to SP121BQ (Deep draw steel)
- Created master section for Datsun Go and Datsun Go+.
- Reduced cost of INR 350 by carrying over Rear Wheelhouse outer and Rear combi lamp from Datsun Go to Datsun Go+.
- Worked for 2 months in Nissan Technical Centre Japan for cost reduction in Front and Rear door.

International Tractor Ltd. - Sr. Engineer in New product design and concept generation.**2008 – 2010**

- Concept generation for new sheet metal and plastic parts of tractors along with styling.
- Made mockup for 6 tractor models by interacting with proto part suppliers from which 4 are currently in mass production.
- Designed sheet metal and plastic parts (Bonnet, Front member, Side member, Plastic fender etc)
- Project planning & Analysis.

International Tractor Ltd. – Engineer at Die Development Centre**2007-2008**

- Designed aerial cam piercing tool first time in the department.
- Designed basic press tool (Blanking, Piercing, Bending, Forming, Draw, Cam flanging, Cam piercing, Casting tools.
- Designed welding fixture, checking panels, plastic mould and Jigs and fixture for MUV and tractors.
- Worked on Hypeform V9, UG NX 5 and Auto Cad.

Goetze (I) Ltd. Bahadurgarh, DET (Production) Engine cylinder liner**2003-2004**

- Production control and quality checking while product is manufactured.
- Manpower management for various machines and operations.
- Employ and teach worker regarding quality standards (TS etc.)

Education

- B. Tech, Mechanical, Shaheed Bhagat Singh College of engineering and technology (PTU) - 72.6% 2004-2007
- 4 Year Diploma in Tool and die tech, Central Tool Room Ludhiana. – 71.1% 1999-2003
- TQM training at Goetze India limited.
- 6 months industrial training at International tractor limited.

Recognitions / Awards

- Awarded pre promotion to the post of Senior Engineer for excellence in service in International Tractors Limited
- Awarded Star of Month for good work in Datsun Go project in Renault Nissan.
- Given appreciation letter by Chrysler for good work in concept generation of Town and country.
- Given appreciation letter by Honda for doing good work for Honda WRV.