

SRIHARI M

Design Engineer

Contact

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Professional Summary

Results-oriented Production Supervisor with 6.5+ years in automotive forging, skilled in production planning, shop-floor automation, quality control and KPI-driven process control.

Proven ability to integrate mechanical engineering principles into practical applications, improving efficiency and process reliability.

Proven track record of delivering >20% improvements in throughput and cost reduction through SPC (Statistical Process Control), FMEA (Failure Mode Effect Analysis), root-cause analysis, and cross-functional implementation of automation projects.

Ensured seamless workflow and product excellence by overseeing production planning and quality assurance.

Skilled in training and mentoring team members to enhance operational performance.

Seeking to leverage technical expertise and leadership skills to contribute effectively to a dynamic organization.

Experience

Super Auto Forge Pvt. Ltd | Chennai, India — May 2018 to Apr 2025

Production Supervisor

May 2024 – Apr 2025

- Led cross-functional development of a defense-component project from concept to prototype and production; managed design reviews, prototype validation, and supplier coordination.
- Performed failure analysis and implemented design/process changes to reduce repeat failures.
- Implemented KPI tracking and corrective actions, improving operational KPIs by 20% within one quarter.
- Supported strategic production planning, resource allocation, and schedule optimization..

Junior Engineer

May 2023 – Apr 2024

- Redesigned part geometries to reduce manufacturing complexity; validated changes with FEA and physical testing, reducing rework and scrap.
- Prepared DFMEA (Design Failure Mode Effect Analysis) inputs and coordinated with manufacturing for design-for-manufacture (DFM) changes.

Automation Engineer

May 2021 – Apr 2023

- Optimized forging parameters and documented capability studies to maintain tolerances and yield targets.
- Trained operators on SOPs and quality checkpoints, improving first-pass yield.
- Supported IATF 16949 activities and internal audits.

Forging Technician

May 2018 – Apr 2021

Performed precision forging operations, inspections, and tooling maintenance to meet daily output targets.
Implemented Kaizen suggestions that improved cycle time and tool life.

Key Achievements

- Delivered process automation yielding 20% cost reduction and 25% productivity gain by revamping internal workflows through process automation and routine checks.
- Led failure-analysis driven design changes that significantly reduced repeat failures.
- Multiple Kaizen suggestions implemented plant-wide; received recognition.

Skills

Design Software

- **AutoCAD:** Applied AutoCAD to produce precise 2D and 3D mechanical designs, collaborating with engineering teams to meet technical specifications and project requirements.
- **CATIA V5:** Experienced in Part modelling, Assembly, Drafting, Sheet metal, Surface modelling.

Quality Control

- Implemented Statistical Process Control (SPC) techniques and conducted Failure Mode and Effects Analysis (FMEA) to proactively identify process weaknesses, enhance product quality, and reduce defects.
- Collaborated with cross-functional teams to apply IATF 16949:2016 quality management system standards, driving both process stability and product reliability in a fast-paced manufacturing environment.

Process Improvement

- Applied Root Cause Analysis and Kaizen methodologies to identify inefficiencies and implement continuous process improvements.
- Consistently recognized with multiple awards for providing valuable suggestions within the Kaizen process, driving ongoing operational enhancements.

Trainings & Certifications

- High-pressure injection molding and machining process — CRP India, Thirumudivakkam
- Gear and engine assembly — Ashok Leyland Ltd, Ennore
- Workshop: Automobile Engines, AC and Refrigeration — Goodwin Motors Ltd
- Workshop: PLC, SCADA and HMI — Prolific Systems & Technologies Pvt. Ltd
- Certification: Automotive Sketching in Autodesk Sketchbook Pro — Institute of Industrial Design, Chennai
- Conducted CAD modeling session – Agni College of Technology, Chennai.

Education

- Bachelor of Engineering, Mechanical— Agni College of Technology, Chennai — Aug 2014 – May 2018 — CGPA 7.4
- Higher Secondary Certificate — Sankara Vidyalaya Higher Secondary School, Chennai — Mar 2014 — 82.5%
- Secondary School Certificate — Sankara Vidyalaya, Chennai — Mar 2012 — 82%

Projects

- **Advanced Water Purifier:** Developed an innovative water purification system that efficiently reduces Total Dissolved Solids (TDS) levels, ensuring cleaner and safer water quality.
- **Ring Making Machine:** Designed an innovative ring-making machine to streamline and automate the production of critical connecting rings, improving efficiency and consistency.

Languages

- English (Fluent)
- Tamil (Fluent)
- Malayalam (Advanced)
- Hindi (Intermediate)

Soft Skills

- Continuous Learning and Professional Development
- Problem-Solving and Critical Thinking
- Conflict resolution
- Team Collaboration and Team Management
- Adaptability and Flexibility