



REVANTH RAAM

ARRAPATHI PADMANABAN

Manufacturing & Quality Engineer

CONTACT

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EDUCATION

PG – Operations Mgmt.

Fanshawe College, Canada

PG – Mechanical Engg.

Fanshawe College, Canada

B.E. – Mechanical Engineering

Velammal Inst. of Technology,

Anna University, India

CORE SKILLS

- ◆ CNC Laser & Press Brake
- ◆ Quality Inspection & GD&T
- ◆ IATF 16949 / ISO 9001
- ◆ Kaizen & Lean Mfg.
- ◆ 5S & Workplace Org.
- ◆ Takt Time Analysis
- ◆ Root Cause Analysis
- ◆ PPAP / APQP / FMEA
- ◆ SAP Basics
- ◆ CMM & Precision Gauging
- ◆ BOM & Technical Docs.
- ◆ AutoCAD / CAD-CAM
- ◆ Supply Chain Ops.
- ◆ Inventory Audits
- ◆ Team Supervision

LANGUAGES

- 🌐 English – Professional
- 🌐 Tamil – Professional
- 🌐 Telugu – Native

PERSONAL DETAILS

DOB: 27 Feb 1997

Nationality: Indian

DL: Indian & Canadian

PROFESSIONAL SUMMARY

Results-driven Manufacturing & Quality Engineering professional with 4+ years of international experience spanning CNC laser cutting, press brake operations, quality control, and production supervision across India and Canada. Proven track record in interpreting engineering drawings, managing assembly line quality, implementing Kaizen initiatives, and leading cross-functional teams in high-volume automotive and metal fabrication environments.

Seeking to contribute deep manufacturing expertise and continuous improvement capabilities to a growth-oriented mechanical engineering organisation in India.

WORK EXPERIENCE

Laser & Press Brake Programmer / Quality Inspector | Chrima Metal Fabrication

Jun 2025 – May 2026 Stratford, Ontario, Canada

- ▶ Evaluated CNC fiber laser and press brake programs to recommend optimal machining combinations and tooling configurations for varying sheet metal sizes and material thicknesses.
- ▶ Developed and loaded CNC fiber laser automation programs, modifying parameters to optimise cutting performance and ensure compliance with production specifications.
- ▶ Prepared manual bending programs for CNC press brake operations, establishing forming procedures for precise dimensional accuracy across different part geometries.
- ▶ Conducted dimensional verification studies using micrometers, calipers, and gauges to validate compliance with engineering tolerances and quality standards.
- ▶ Identified and documented non-conformances during quality inspections, driving continuous improvement of production processes and compliance with engineering standards.
- ▶ Set up, aligned, and adjusted press brake tooling and materials, establishing preparation standards to minimise downtime and defect rates.

Quality Control / Production Team Member | Toyota Motor Manufacturing Canada (TMMC)

Aug 2023 – May 2025 Woodstock, Ontario, Canada

- ▶ Inspected incoming quality for purchased parts and assemblies using specified criteria to identify non-conforming defects before production.
- ▶ Conducted routine inspections using checklists and diagnostic equipment, evaluated MIG and spot welds against CWB W47.1 & W59 standards.
- ▶ Measured components and assemblies using gauges, calipers, and CMMs for dimensional and functional accuracy to CSA and ISO standards.
- ▶ Maintained accurate data entry in quality assurance databases, escalated non-conforming technical information to quality and production supervisors.
- ▶ Operated and observed automated assembly equipment, assisted in engine, transmission, and instrument panel installation using hand and power tools.
- ▶ Recognised by supervisors for closing quality control gaps via root cause analysis and implementing corrective action improvements.

Support Manager / OMNI Customer Fulfilment Associate | Walmart Canada

Feb 2021 – Jun 2023 Woodstock, Ontario, Canada

- ▶ Managed end-to-end online order fulfilment operations, accurate product selection, temperature-controlled storage, and curbside delivery coordination.
- ▶ Developed and managed associate schedules covering picking, curbside delivery, and break rotations, optimising labour deployment to meet operational targets.
- ▶ Delivered high-quality customer service across in-store interactions and inbound calls, resolving escalations while maintaining service standards.
- ▶ Executed closing duties including departmental walk-throughs, safety checks, and operational checklists to maintain audit-ready environments.
- ▶ Led annual on-hand inventory audits, identifying variances and implementing corrective actions to minimise shrinkage and maintain inventory accuracy.
- ▶ Received merchandise from suppliers, directed placement of feature and promotional merchandise to maximise product visibility and sales performance.
- ▶ Onboarded and cross-trained associates across departments, ensuring emergency coverage and preventing fulfilment bottlenecks.

Project Engineer – Manufacturing Engineering | Royal Enfield Ltd.

 Aug 2018 – Aug 2019  Oragadam, Chennai, India

- ▶ Led end-to-end planning and design of CKD assembly plant layouts and facilities, including overhead infrastructure modifications for multi-model vehicle assembly on a single production line.
- ▶ Verified, organised, and maintained PPAP, BOMs, and assembly instructions (JES) documentation to ensure project consistency, compliance, and risk management.
- ▶ Conducted online and offline time studies and work simplification programs, identifying inefficiencies and implementing changes to reduce takt time by 7 seconds across the assembly line.
- ▶ Designed a fixture reducing rework time from 15 minutes to 5 seconds — recognised as a high-impact Kaizen achievement.
- ▶ Coordinated with suppliers and vendors for jigs, fixtures, and modified tools to improve efficiency in complex assembly processes and maintain cycle time.
- ▶ Implemented Kaizen initiatives and participated in cross-functional meetings to drive continuous improvement, tracking action plans against operational performance targets.
- ▶ Developed integrated manufacturing procedures for in-plant operations and new overseas assembly plants, ensuring consistent process standards across facilities.

NOTABLE ACHIEVEMENTS

- ◆ Reduced takt time by 7 seconds through systematic assembly line optimisation at Royal Enfield, Oragadam.
- ◆ Designed a fixture that cut rework time from 15 minutes to 5 seconds — a measurable Kaizen impact.
- ◆ Developed a reusable stainless steel mesh filter to reduce disposal costs, recognised at Ford India Centre.
- ◆ Received formal recognition for closing quality control gaps via root cause analysis at Toyota MMCA.
- ◆ Led annual inventory audit at Walmart Canada, verifying financial and inventory records across the store.

TECHNICAL SKILLS

Manufacturing & Production: CNC Fiber Laser Cutting & Press Brake Programming, Automotive Assembly & Process Optimisation, Fixture Design & Equipment Layout, BOM Management & Technical Documentation, Tooling Setup & Changeover

Quality & Compliance: Quality Assurance & Defect Detection, GD&T, Precision Measurement (CMM, Calipers, Micrometers, Gauges), IATF 16949, ISO 9001, CWB W47.1/W59 Weld Standards, Root Cause Analysis, PPAP, APQP, FMEA, Control Plans

Lean & Continuous Improvement: Kaizen, 5S, Takt Time Analysis, Work Simplification, Time Study, 7 QC Tools, SPC Fundamentals, MAE Planning

Operations & Leadership: Team Supervision & Scheduling, Cross-functional Collaboration, Vendor Coordination, Inventory Audits, Supply Chain & Operations Management, Risk Management & Workforce Compliance

Software & Tools: AutoCAD, Solidworks, NXCAD/CAM, CATIA, 2D/3D Engineering Drawing Interpretation, SAP, Quality Assurance Databases, MS Office

REFERENCES

Mr. Jatinder Singh – Production Manager, Chrima Metal Fabrication, Canada | +1(647)447-1046

Mr. Ranjith Kumar – Team Leader, Quality Control, TMMC, Canada | +1(548)388-4748

Ms. Kashifa Begum – HR Manager, Royal Enfield Ltd., Oragadam | +91-8939995030