

Hussain Quadri Syed

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PROFILE SUMMARY

- Licensed Professional Engineer (P.Eng.) and PMP® Certified Project Manager with 6+ years of experience in facade manufacturing and construction systems (window walls, curtain walls, railings, residential doors).
 - Expertise in process optimization, Lean manufacturing, and continuous improvement, delivering measurable results including \$1M+ annual cost savings and 10% throughput growth.
 - Skilled in Root Cause Analysis (RCA), FMEA, and ISO 9001:2015 compliance, ensuring first-time-right quality and operational efficiency.
 - Proven ability to lead cross-functional teams, develop standardized work procedures, and manage supplier quality programs.
 - Adept at AutoCAD, SolidWorks, and ERP systems, facilitating efficient manufacturing processes and design-to-production transitions.
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PROFESSIONAL EXPERIENCE

Lead Continuous Improvement Specialist -Toro Aluminum, Vaughan, Canada

June 2021-Present

Key Responsibilities:

- Designed and implemented new manufacturing systems to improve production efficiency and reduce non-conformities in window wall, railing, and door fabrication.
- Developed and executed product test plans, leveraging statistical process control (SPC) to ensure compliance with quality standards.
- Provided design feedback for new products, collaborating with engineering teams to ensure manufacturability.
- Led Lean Manufacturing initiatives, including Kaizen workshops, 5S deployment, and value stream mapping to eliminate non-value-added activities.
- Conducted Root Cause Analysis (RCA) and corrective action implementation, reducing production defects and minimizing downtime.
- Led supplier quality programs, establishing evaluation metrics and monthly scorecards to track vendor performance and drive continuous improvement.
- Created and standardized process documentation such as FMEA, Control Plans, Standard Work Instructions, and Audit Sheets.
- Collaborated with ERP consultants to redesign and optimize internal digital workflows; identified system limitations in data exporting formats, weak part traceability, and lack of real-time dashboards.
- Provided detailed feedback and requirements for new ERP system features, ensuring alignment with lean principles and operational needs.
- Facilitated internal discussions between IT, Production, Engineering and Quality teams to align business requirements for ERP improvements.
- Defined and documented user requirements and current process gaps to support ERP upgrades, improving reporting accuracy and decision-making speed.
- Supported creation of digital dashboards for performance monitoring and service-level visibility, enhancing cross-functional transparency.

Key Achievements:

- Increased monthly production output of window walls from 10,000 to 11,000 units, achieving a steady 10% improvement in three months.
- Reduced manufacturing defects by 30% through pre-production audits and enhanced quality control procedures.
- Improved plant layout and material flow, optimizing space utilization and reducing material handling

time.

- Spearheaded the automation of fixture design, reducing assembly time by 15% and improving production consistency.
- Improved **labor and material cost estimation**, enhancing accuracy in project pricing and financial planning.
- Introduced a **supplier quality evaluation system**, reducing non-conforming materials by **40%**.
- Collaborated with the Supply Chain and Shipping teams to investigate high trailer and yard storage costs during accelerated window production.
- Analyzed logistics reports and uncovered that short-term rental contracts were incurring long-term costs.
- Sourced alternative rental options and negotiated contracts that were **60% more cost-effective**, leading to substantial operational savings over 8–12 months.
- Led initiative to assess ERP system gaps, resulting in an upgraded platform that reduced reporting time by 20% and improved material tracking across production cells.
- Acted as process liaison between production teams and ERP developers, reducing back-and-forth clarification during implementation and accelerating deployment.

Quality Assurance Auditor-Toro Aluminum, Vaughan, Canada

May 2020- June 2021

Responsibilities:

- Performed internal audits of production processes, materials, and finished products, ensuring compliance with ISO 9001:2015 and company quality standards.
- Conducted onsite investigations of customer complaints and site non-conformance reports (SNCRs), providing effective corrective solutions.
- Led training sessions for production teams on quality management practices, defect reduction, and process standardization.
- Developed and maintained quality documentation, including inspection reports, audit findings, and corrective action logs.
- Provided recommendations for process improvements, collaborating with engineering and manufacturing teams to implement corrective actions.
- Oversaw and input Non-Conformance Reports (NCRs), ensuring accurate documentation and resolution tracking.
- Audited, inspected, and performed 5S activities in the plant to improve workplace efficiency and compliance.

Key Achievements:

- Reduced non-conforming product rates by 25%, improving customer satisfaction and minimizing rework costs.
- Implemented a quality reporting framework, enhancing traceability and issue resolution times.
- Standardized quality inspection criteria, reducing variability in defect detection and improving first-pass yield.
- Assisted in the development of process improvement strategies, leading to a 10% reduction in production downtime

Process Improvement Coordinator-TRQSS, Windsor, Canada

Sep 2019- April 2020

- Led process improvement project to reduce lead time for the process of seat belt assembly.
- Analyzed problems by comparing them with the relevant research and developed the optimum solution.
- Used Value Stream Mapping, MODAPTS, Yamazaki, 5-S, 5 Why, Ishikawa Diagram / Fishbone diagram and studied workflow to identify the root cause of built-up inventory.
- Collected time study data to distinguish the non-value adding processes.
- Develop process flow chart.

Quality Specialist– Shur-Lok Products (Part Time), Windsor, Canada

June 2018- May 2019

- Created SOPs for manufacturing and inspection processes related to truck chassis production.
- Defined quality criteria and established inspection standards.
- Improved incoming material quality by implementing stricter raw material inspection procedures, ensuring fewer supplier-related defects

Process Specialist (Quality)- Infosys(Client Google), Hyderabad, India

Aug 2016- Dec 2017

- Reduced process error rate by 20% through improved training programs and process standardization.
- Conducted training sessions for new and existing employees, focusing on error reduction, process accuracy, and efficiency improvements.
- Collaborated with team leads & quality analysts to monitor operator performance & provide targeted coaching.
- Provided feedback sessions & mentorship, improving employee skill retention and overall process quality.

EDUCATION

- **Master of Engineering - Mechanical Engineering (M.Eng.)**
University of Windsor, Windsor, Canada | 2018 – 2019
- **Bachelor of Technology - Mechanical Engineering**
Osmania University, Hyderabad, India | 2012 – 2016

CERTIFICATIONS

- **Professional Engineer (P.Eng.) – Ontario**
- **PMP® – Project Management Professional (PMI, 2025)**
- **Six Sigma Green Belt Certification - ASQ**
- **Harvard ManageMentor Leadership Training**
 - Time Management
 - Negotiation Skills
 - Global Collaboration

TECHNICAL SKILLS

- **Facade Manufacturing & Production Management:** Window Walls, Railings, Residential Doors.
- **Process Optimization & Lean Tools:** APQP, PFMEA, Kaizen, 5S, 8D, Root Cause Analysis.
- **Quality Assurance & Supply Chain Management:** ISO 9001:2015, ERP, EPICOR, Bill of Materials (BOM).
- **CAD Software:** AutoCAD, SolidWorks.
- **Data Analysis & Reporting:** Microsoft Excel (Advanced), PowerPoint, Visio.

VOLUNTEER EXPERIENCE

Training Specialist | Career Guidance Council | Hyderabad, India (Aug 2015 - Present)

- Conducted **seminars and workshops** on career guidance, networking, and professional development.
- Trained **over 500+ students and professionals** in resume building, job search strategies, and interview preparation.
- Organized fundraising and community support initiatives, strengthening public engagement.