### Sai Phani Teja Kuchibhotla

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#### **SUMMARY**

Quality Engineer with a strong background in continuous improvement and a proven ability to enhance product design through effective problem-solving strategies. Proficient in utilizing ISO standards and equipped with verbal communication and written reporting skills to meet goals and responsibilities in high-pressure environments.

### PROFESSIONAL EXPERIENCE

# Associate Supplier Quality Engineer *MICRO*

01/2024 – Present Somerset, NJ

- Accomplished a 30% reduction in product line disruptions by monitoring and reporting key quality metrics, executing root cause analysis, and implementing countermeasure actions for process defects, including customer complaints.
- Improved quality performance by 25% through leading PFMEA activities, ensuring the application of Process Control Plans and actively participating in continuous improvement initiatives such as 5S, Kaizen, and Six Sigma projects.
- Achieved a 35% increase in efficiency by streamlining quality control processes through data analysis, diagramming, developing and implementing standardized inspection methods, and disposition documentation practices.
- Achieved 100% compliance with ISO 9000 standards by assisting in maintaining and improving the quality management system, conducting internal audits, and resolving compliance issues identified during audits.
- Reduced product defects by 18% by driving continuous review and analysis of scrap, rework, and warranty data, leading initiatives for product and process capability improvements in assigned areas.
- Conducted comprehensive Failure Analysis and developed a Risk Management Plan for the Product Life Cycle through extensive hypothesis testing.
- Involved in post-market surveillance to ensure ongoing compliance with FDA regulations, maintaining high standards in Quality Assurance across processes.
- Demonstrated strong interpersonal communication skills and effective scheduling techniques to address problems efficiently, emphasizing problem-solving and accountability throughout the project lifecycle.
- Emphasized ensuring equipment meets international testing standards, conducting visual inspection, and providing a global perspective in quality engineering efforts.
- Worked with cross-functional teams in NPD (New Product Development) initiatives, applying Quality Engineering principles to enhance innovation and product performance while maintaining product specification.
- Enhanced supportability strategies across product lines through comprehensive validation and compliance methods with performance metric evaluations.
- Collaborated with cross-functional teams to analyze production processes, leading to quality improvements that decreased scrap rate by 30% while strictly adhering to standards-based regulations and procedures.

### **SKILLS**

- Quality Processes: First Article Inspection (FAI), PPAP, APQP, CAPA, SCAR, FMEA, GD&T, ISO 9001
- Supplier Management: Supplier Qualifications, Supplier Development, Capacity Studies, Customer Requirements
- Statistical Analysis: Statistical Process Control (SPC), Sampling Inspection, Data Mining & Analysis
- **Process Development**: Process Improvement, Component Development, Product Quality, Safety-Critical Part Management
- Software: Minitab, ARENA, MS Office Suite, Python, CAD Tools
- Soft Skills: Planning & Organization, Communication & Coordination, Leadership & Guidance, Root Cause Analysis, Project Management

## **EDUCATION**

Master of Science (MS) in Industrial Engineering (Specialization in Supply Chain)

09/2022 – Newark, NJ

**05/2024** *New Jersey Institute of Technology* (GPA - 3.78/4.00) N Coursework: Supply Chain Management, Quality Management Systems, Operation Research, Design

for Manufacturability, Advanced Manufacturing Processes, Advanced Data Analytics for Supply Chain

Bachelor of Technology (B.Tech) in Mechanical Engineering

07/2017 - 07/2021

Prasad V Potluri Siddhartha Institute of Technology

Vijayawada, India

# **CERTIFICATES**

- Supply Chain Engineering New Jersey Institute of Technology
  GE Aerospace Supply Chain Job Simulation Virtual Experience Program on Forage
  Six Sigma: Green Belt Project Management Institute on LinkedIn