

Amol Dhere

JOB OBJECTIVE

Pursue opportunities as a Welding Engineer, Production Engineer emphasizing a strong commitment to enhancing manufacturing processes and quality assurance in the aviation sector, while utilizing a wealth of knowledge in welding techniques and client relations.

CONTACT

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EDUCATION

- B.Tech. / B.E. in Mechanical Engineering, RKDF University, Bhopal, India, 2021
- Diploma in Mechanical from MSBTE | 2015
- XII, State Secondary Education Board, Maharashtra, 2010

CORE COMPETENCIES

- Quality Management Systems
- Production Optimization Strategies
- Welding Safety Standards
- Continuous Improvement Practices
- Allocate production plan as per daily requirement.
- Manufacturing Process Engineering
- Technical Documentation and Compliance
- Team Leadership and Development
- Cost Reduction Techniques
- Process Flow Analysis

PROFILE SUMMARY

- **Offering over 8 years in welding engineering**, specializing in quality control and process implementation in aviation manufacturing.
- **Welding Engineer and Manufacturing Engineer** at GE Aerospace, managing welding operations and ensuring compliance with quality standards.
- **Skilled in GTAW, MIG, and Torch Brazing**, with a strong grasp of manufacturing processes to boost efficiency.
- **Established quality assurance protocols**, leading to increase in production efficiency.
- **Exemplified leadership and problem-solving**, guiding teams through complex welding challenges and promoting continuous improvement.
- **Knowledgeable in AWS and ASME standards**, ensuring compliance and operational excellence.
- **Led a project that cut production costs** through process optimization and resource reallocation.
- **Utilized Lean Six Sigma** to streamline workflows and reduce waste.
- **Advanced welding techniques and quality assurance**, enabling innovative solutions in high-pressure environments.
- **Drove a quality assurance initiative at GE Aerospace**, achieving an increase in efficiency.
- **Recognized for mentoring a high-performing welding team**, resulting in improved skills and reduced error rates.
- **Expert in regulatory compliance**, ensuring operations exceed industry standards and enhance reputation for quality.

WORK EXPERIENCE

2015 to Present: Production Welding Engineer / Manufacturing Engineer at GE Aerospace Manufacturing (GE India Pvt. Ltd. - Chakan)

Role:

- Utilizing a broad spectrum of knowledge in welding engineering to manage and improve welding inspection processes, ensuring strict adherence to industry standards and regulations.
- Formulating and implementing detailed quality assurance and quality control (QA/QC) protocols, playing a vital role in the creation of standard operating procedures (SOP) for welding operations.
- Managing a team of welders, performing comprehensive evaluations of essential welding joints both before and after welding to guarantee structural integrity and quality.
- Conducting inspections of raw materials, including tubes, sheet metal, and consumables, and generated purchase orders for approval to ensure quality and compliance with specifications.
- Identifying and rectifying intricate challenges associated with multiple welding techniques, such as TIG, MIG, and Orbital Welding, effectively tackling weld defects and executing corrective actions.
- Achieved certification in welding and brazing processes aligned with AWS D17.1 standards for IIA & IIIB materials, thereby bolstering professional credibility.
- Guaranteed rigorous compliance with Manufacturing Operation Sheets (MOS) throughout welding operations, streamlining workflow and upholding high-quality standards.
- Employed sophisticated software applications, such as MES and Oracle, to optimize workflow management and improve operational efficiency.

TECHNICAL SKILLS

- Advanced Welding Techniques (GTAW, MIG, Orbital)
- Quality Assurance and Control Systems
- Non-Destructive Testing (NDT) Techniques
- Manufacturing Execution Systems (MES)
- Oracle Applications for Workflow Management
- CAD Software Proficiency (CREO, AutoCAD)
- Process Planning and Implementation
- Root Cause Analysis (RCA) Methodologies
- Lean Manufacturing Principles
- Project Management and Coordination

AWARDS & ACHIEVEMENTS

- Best Employee of the Year at GE Aerospace Manufacturing for outstanding contributions to quality assurance and process improvement initiatives.
- Best Kaizen award winner in GE Aerospace MMF Pune in 2021,2022,2024 for Improve cycle time, Cost reduction, improve productivity and part quality, Reduce EHS Safety Hazards.

- Participated in the preparation and oversight of critical documentation, including WPS, PQR, and WPQ, while actively contributing to New Product Development (NPD) and First Article Inspection (FAI) initiatives.

Achievements:

- Achieved a successful quality assurance initiative that led to enhancement in production efficiency, thereby lowering operational costs.
- Contributed to the formulation of a new welding sequence plan that accelerated turnaround time for customer projects.
- Acknowledged for outstanding management of Non-Conformance Reports, resulting in reduction in customer complaints concerning welding quality.
- Led a comprehensive training initiative for welders that elevated skill levels and minimized error rates, thereby enhancing overall team performance.
- Directed a project aimed at optimizing welding processes, resulting in decrease in material waste and improved resource utilization.

CERTIFICATIONS

- NDT, ASNT Certification Program Level-2 in Penetrant Testing (PT)
- NDT, ASNT Certification Program Level-2 in Magnetic Particle Testing
- Six Sigma Yellow Belt Certified
- QA/QC Professionals Welding & Inspection

PROJECTS

POKA YOKE - Fixture Modification for Enhanced Productivity

- The POKA YOKE project involved the development and modification of new fixtures, resulting in a remarkable 50% reduction in manpower requirements. The primary focus was on improving overall productivity by 100%, while concurrently ensuring stringent adherence to safety and quality standards. This initiative aimed to streamline processes through fixture enhancements, contributing to a more efficient and optimized workflow.

PERSONAL DETAILS

Address : Pune, India
Languages Known : English, Marathi, Hindi
Date of Birth : 16 January 1994