

Christopher R. Staub

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SUMMARY

Quality driven professional with strong planning, communication, organizational and decision-making ability to successfully direct concurrent projects; can assess complex processes using statistical maintenance process control methods and recommend necessary improvements.

EXPERIENCE

Manufacturing Engineer II

Minnetronix Medical, Saint Paul, MN

January 2023 – Present

- Developed and optimized manufacturing processes for medical device production, resulting in increased efficiency and product quality.
- Evaluated and qualified manufacturing equipment, tools, and fixtures to support production requirements.
- Designed and executed validation protocols (IQ, OQ, PQ) for manufacturing processes, equipment, and tooling, ensuring compliance with regulatory standards.
- Identified and implemented process optimization initiatives, resulting in waste reduction and cost savings.
- Developed and maintained manufacturing work instructions, standard operating procedures (SOPs), and other relevant documentation to ensure compliance with regulatory standards.
- Collaborated with the Quality team to address and resolve manufacturing-related quality issues, implementing corrective and preventive actions (CAPAs) and driving process improvements.
- Provided technical guidance and training to production personnel on manufacturing processes, equipment operation, and best practices.

Senior Manufacturing Engineering Technician

Minnetronix Medical, Saint Paul, MN

June 2017 – December 2022

- Provided technical expertise and support to manufacturing processes, equipment, and tooling, collaborating with engineers to troubleshoot and resolve complex manufacturing issues.
- Conducted preventive maintenance, calibration, and repair activities on manufacturing equipment to ensure optimal performance and compliance with regulatory requirements.
- Identified opportunities for process improvements and efficiency enhancements, collaborating with the engineering team to implement changes that improved productivity, quality, and cost-effectiveness.
- Developed and validated test methods and protocols for product and process testing, ensuring accurate and reliable testing of medical devices.
- Maintained accurate and up-to-date manufacturing documentation, including work instructions, standard operating procedures (SOPs), and equipment logs, ensuring compliance with regulatory standards.
- Provided training and mentorship to junior technicians and production personnel on manufacturing processes, equipment operation, and best practices, fostering a culture of continuous learning and knowledge sharing.
- Conducted root cause analysis investigations to identify underlying causes of manufacturing issues, collaborating with cross-functional teams to implement effective corrective actions and prevent recurrence.
- Actively participated in Lean Manufacturing and Six Sigma projects, driving process improvements, waste reduction, and cost savings.
- Assisted in internal and external audits, resolving compliance issues, and contributing to maintaining a compliant manufacturing environment.

Manufacturing Technician III

Boston Scientific, Arden Hills, MN

August 2013 – June 2017

- Executed manufacturing processes in accordance with SOPs and work instructions, ensuring efficient production and adherence to quality standards.
- Operated and maintained manufacturing equipment, conducted routine maintenance activities, and troubleshooting to minimize downtime and optimize productivity.
- Adhered to quality control procedures, conducting in-process inspections and tests to ensure product integrity and compliance with specifications.
- Identified opportunities for process improvements, waste reduction, and productivity enhancements, collaborating with cross-functional teams to implement changes and optimize operations.
- Maintained accurate and up-to-date production records, including batch records, logbooks, and quality control documents, with meticulous attention to detail.
- Assisted in troubleshooting and resolving manufacturing issues, conducting root cause analysis, and implementing corrective actions to prevent recurrence.
- Provided training and guidance to junior technicians, ensuring their understanding of manufacturing processes, safety protocols, and quality requirements.

- Adhered to safety protocols, followed company policies and regulatory requirements to maintain a high level of safety and compliance.

Technical Compliance Analyst

Compass Airlines, Minneapolis, MN

August 2007 – August 2013

- Ensured regulatory compliance by interpreting and analyzing aviation regulations, such as FAA, EASA, and other relevant authorities, and implementing compliance measures across all operational areas.
- Conducted regular internal audits and assessments to verify compliance with regulatory standards and company policies, identifying areas for improvement and recommending corrective actions.
- Maintained accurate and up-to-date documentation related to regulatory compliance, including manuals, policies, procedures, and records, ensuring proper documentation control and record retention.
- Assisted in the implementation and maintenance of the airline's Safety Management System (SMS), collaborating with cross-functional teams to identify hazards, assess risks, and develop mitigation strategies for enhanced safety performance.
- Provided technical expertise in incident and accident investigations, supporting root cause analysis and the development of preventive measures to mitigate similar incidents in the future.
- Served as a point of contact with regulatory authorities during audits and inspections, facilitating communication, providing requested documentation, and assisting in addressing findings or inquiries.

Champion Air, Bloomington, MN

Aviation Maintenance Technician

January 2000 – August 2007

- Conducted scheduled and unscheduled maintenance tasks on aircraft, including inspections, troubleshooting, component replacements, and repairs, ensuring compliance with regulatory requirements.
- Completed accurate and thorough maintenance documentation, including work orders, maintenance records, and inspection reports, to ensure compliance with aviation regulations and company policies.
- Utilized diagnostic equipment, technical manuals, and expertise to identify and resolve aircraft system malfunctions and discrepancies, conducting comprehensive troubleshooting to pinpoint root causes and implement effective repairs.
- Performed routine inspections and maintenance tasks based on aircraft manufacturer's recommendations and regulatory requirements, ensuring optimal aircraft performance and airworthiness through fluid checks, component lubrication, and system functional tests.
- Conducted repairs and overhauls on aircraft components, such as engines, landing gear, electrical systems, and avionics, following approved procedures, service bulletins, and technical publications to ensure proper repairs and restoration of component functionality.
- Managed inventory levels of aircraft parts, consumables, and tools, coordinating with the Supply Chain department to order and receive necessary supplies in a timely manner, while accurately documenting parts usage and adhering to proper storage practices.

EDUCATION

Frederick Community College,

Aviation Maintenance Technician 2-year certificate

Frederick, MD

May, 1998

CERTIFICATIONS

IPC 610 certified requirements and acceptance for cable and wire harness assemblies

February 2021

SolidWorks Mechanical Design Certificate

October 2021

Solidworks CAD essentials Certificate

September 2019

RJG Systematic Molding Silicone Rubber

March 2016

Arburg Injection Molding Training

February 2016

SKILLS