

Name

Address

City, ST ZIP

e-mail / cell: (555) 555-1234

- PROFILE:**
- Highly motivated with the ability to lead a team through challenging tasks
 - Diverse background in Mechanical/Electrical/Maintenance Technologies
 - focused, self starter, able to motivate individuals and resolves complex issues
 - Able to work with a team to accomplish tasks using cost effective methods

ENGINEERING EXPERIENCE:

Seasoned engineer with more than eight years of experience in supporting pharmaceutical and biological manufacturing, equipment maintenance and plant operations. Excellent reliability and manufacturing engineering experience in GMP and FDA regulated environments. Proven success in developing numerous maintenance programs for new and legacy equipment. Coordinated and supervised contractors and OEM engineers/representatives during major plant repairs, large-scale maintenance, warranty work, and operational functions. Responsible for design and fabrication of machine modifications, required updates and introducing the machinery into service all within the confines of a strict regulatory environment.

Reliability Engineering Highlights

Driven by an intense desire to solve problems and design/coordinate repairs that result in significantly reduced equipment downtime and increased safety. Possess excellent communication skills with the ability to build trust and teamwork with maintenance technicians and operators, taking their inputs and advice while developing solutions to equipment and process failures and giving them feedback. Examples include:

- Investigated the root cause of failures in a large parts washer. The ITT control valves used straight EDPM diaphragms that were frequently deteriorating and failing due to the acid and base cycles in the washer. Tested and installed EDPM diaphragms with a Teflon casing that solved the deterioration problem.
- Designed an equipment modification to a pharmaceutical mixer proximity switch that was continuously being damaged by operators during set up that caused machinery down time and damage to the equipment. Recessed the sensor back into the fixed housing and welded a metal protective extension that allowed continuous operation of the mixer.
- Identified an equipment failure in the cooling drums for a Gel Encapsulation machine; machine wearing caused a gap to develop between the seal and the surface that affected correct positioning. The consistent failure would expel over 300 gallons of cooling water onto the production floor. Fabricated and installed a Delran spacer to fill the gap. The new spacer restricted seal movement from its seat and prevented cooling water spill failures of the system.

Manufacturing Engineering Highlights

Strong leadership skills and the ability to develop working relationships with counterparts to ensure plant equipment and processes are meeting plant production and profitability goals. Effective change agent; experienced in leading process mapping and continuous improvement activities of production lines with close communication with manufacturing and maintenance leadership. Prepared and updated numerous standard operating procedures for equipment and system repairs in multiple manufacturing facilities. Accomplishments include:

- While a customer was onsite to witness the final step of an expensive clinical drug process, manufacturing was stalled due to an equipment malfunction in the pan-coater. The shelf life of the Active Pharmaceutical Ingredient (API) coating for the tablets was less than 48 hours. Conducted an immediate root cause investigation that resulted in fixing an incorrect PLC reading for a proximity switch on the exhaust system that saved a lot of money and the company's reputation.
- All production was halted due to the entire facility being out of humidity control limits. Troubleshoot the desiccant system and found a large diameter desiccant wheel with broken welds. There were no welders or qualified technicians onsite. Developed a rapid repair plan and personally re-welded the damaged part and brought the system back online until a replacement wheel could be installed.
- Repaired a meningitis vaccine manufacturing system that was causing low yield rates due to inaccurate weight measurements and product left in the piping. The system had improperly placed load cells that required a modification; changing rigid fixtures with flexible "hinged" mounts for the load cells. Also replaced the solid piping with a section of flexible hose and replaced the sensor feedback units from single to double feedback units. Product yield rose to over 95%.

EMPLOYMENT:

MedImmune, Philadelphia, PA

2007 – 2011

Reliability/Manufacturing Maintenance

As a staff engineer, led maintenance teams in the day to day challenges of production maintenance and improving equipment reliability. Managed the scheduled Preventive Maintenance (PMF) program for solid dosage, soft gel, instant tab, and other drug delivery methods in a FDA/GMP environment. Worked through the acquisition transition from Cardinal Health into Catalent Pharma Solution.

- Provide Engineering Support to associated equipment required for the smooth and proper operation of a commercial/clinical drug manufacturer.
- Coordinated Engineering efforts between the Maintenance Team, production and contractors (Bosch, Allen-Bradley, Siemens, Girton, etc.) to execute repairs/maintenance.
- Supervised, managed and maintained supplies accounts with the responsibility to provide support in the most cost effective manner.
- Responsible for developing assets that resulted in budgetary saving in excess of \$100,000 on a yearly basis.

Mylan Laboratories, Canonsburg, PA

2000 – 2006

Engineering Technician (Engineer)

Manufacturing engineer in a **start-up** biological filling and packaging facility. Provided technical support to the manufacturing operations in a strictly controlled and regulated biological facility.

- Gained experienced in the maintenance, installation and operation of:
 - Allen-Bradley, Siemens and BNR automated control systems.
 - INOVA, Marcasine and ABC automated filling and packaging equipment.
- Trained and experienced in the application of SAP, INVENSYS, Allen-Bradley, AutoCAD, Windows, Word, Excel and Access software packages.

Field Engineering Technician, Flow Serve, Bethlehem, PA

1995 – 1999

Combat Engineer - Staff Sergeant (E6), US Army/ Army Reserve

1986 – 1997

EDUCATION:

Certificate, Weld Inspector Course, Green County Community College, Allentown, PA

2005

BS Mechanical Engineering Technology, Pennsylvania State University at Harrisburg, PA

1999

AS Mechanical Engineering Technology, Lehigh County Community College, Schnecksville, PA

1995

Welding and Sheet Metal Fabrication Certificate, Lehigh County Vocational Technical

1995

Institute, Schnecksville, PA

High School Diploma, Allentown Central High School, PA

1986