



Anna Warren

Senior Lean Industrial Engineer

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SUMMARY

Dedicated Lean Industrial Engineer with over three years of experience in implementing Lean methodologies and driving operational excellence initiatives. Proven ability to analyze complex processes, identify improvement opportunities, and lead cross-functional teams in optimizing workflows. Adept at utilizing advanced analytical tools and Lean principles to enhance productivity, reduce waste, and improve overall efficiency. Strong communicator with a track record in successfully training and mentoring teams to adopt Lean practices: reducing process time by creating sustainable improvement frameworks.

EXPERIENCE

Lean Industrial Engineer

Innovation Labs 📅 January 2024 - Present 📍 Pittsburgh, PA

Focused on Lean implementations across lab processes, supporting internal consulting projects aimed at driving operational excellence. Directly engages with key stakeholders to advance business objectives.

- Analyzed laboratory workflows, identifying automation opportunities resulting in significant process time reduction.
- Led multiple Kaizen events fostering collaboration among departments, successfully eliminating waste.
- Developed performance dashboards that improved reporting efficiency markedly, visualizing KPIs sustainably.
- Conducted thorough root cause analysis on inefficiencies, enabling target-driven corrective actions that enhanced quality outcomes.
- Trained diverse groups on Lean principles, boosting engagement in continuous process enhancements.
- Collaborated effectively with automation engineers prioritizing strategic automation project implementation.

Junior Lean Engineer

Tech Innovations Inc. 📅 June 2021 - December 2023 📍 Cleveland, OH

Supported Lean initiatives across various departments ensuring that strategies were aligned with overarching operational goals. Contributed actively towards improving process efficiencies within laboratory settings.

- Championed Lean project contributions, resulting in increased operational efficiency company-wide.
- Assisted in leading value stream mapping efforts resulting in actionable insights for laboratory processes.
- Utilized Excel and Power BI for comprehensive data analyses tracking performance trends effectively.
- Facilitated Lean workshops nurturing team culture directed at enhancing collaboration and innovative thinking.
- Diligently documented improvements, engaging stakeholders through transparent communication.
- Involved in evaluating automation opportunities through teamwork, enriching strategic planning capabilities.

LEADERSHIP & AWARDS

- Lean Six Sigma Green Belt – Achieved for exemplary dedication to process improvement standards and initiatives.
- Team Leadership Award – Recognized for outstanding leadership during a critical nationwide Lean implementation.

STRENGTHS



Lean Methodology Expertise

Applied Lean methodology approaches to optimize workflows, refining multiple processes leading to eliminated waste streams.



Cross-Functional Collaboration

Facilitated large groups in identifying and addressing inefficiencies, helped cultivate collaborative solutions among teams.



Root Cause Analysis

Conducted thorough investigations into process failures, establishing corrective measures that directly improved metrics.



KPI Monitoring & Reporting

Developed dashboards to monitor key performance indicators which decisively streamlined reporting and decision-making.



Training & Mentorship

Engaged extensively in developing the next generation of Lean practitioners, fostering an environment open to graded learning.

SKILLS

Lean Methodology

Process Improvement

Data Analysis

Project Management

Microsoft Office Suite

Root Cause Analysis

Team Leadership
Training and Mentoring
Communication Skills
KPI Development
Automation Awareness
Kaizen Leadership
Waste Reduction
Statistical Analysis
Change Management
Collaboration Skills

LANGUAGES

English	Native
Spanish	Proficient

MY CAREER



- Lean Industrial Engineer at Innovation Labs (2.6 Years)
- Junior Lean Engineer at Tech Innovations Inc. (2.5 Years)

EDUCATION

Bachelor's Degree in Industrial Engineering

University of Pittsburgh 🎓 GPA: 3.7 📅 2021 📍 Pittsburgh, PA

Coursework: Operations Research, Manufacturing Systems, Process Optimization, Quality Control

CERTIFICATIONS

- Lean Six Sigma Green Belt 📅 2023
- Project Management Professional 📅 2024

TECHNICAL SKILLS

- Data Visualization Tools:** Power BI, Tableau, Microsoft Excel
- Lean Implementation Techniques:** 5S, Value Stream Mapping, Kaizen
- Analytical Software:** Minitab, R, Python
- Project Management Software:** Trello, Asana, Microsoft Project
- Communication Platforms:** Slack, Microsoft Teams, Zoom
- Technical Documentation Tools:** Visio, SharePoint, Confluence
- Statistical Analysis:** SPSS, MATLAB, StatCrunch
- Continuous Improvement Models:** DMAIC, PDCA, SIPOC
- Root Cause Analysis Methods:** Fishbone Diagram, 5 Whys, Pareto Analysis
- Workflow Automation Tools:** UIPath, Blue Prism, Zapier

PROFESSIONAL AFFILIATIONS

- Lean Manufacturing Professionals Network – Engaged actively with industry experts on Lean methodologies.
- Institute of Industrial Engineers (IIE) – Participated in workshops focusing on best practices in industrial engineering.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST