



# Caleb Bhatia

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## SUMMARY

Results-driven Industrial Engineer with over eight years in Lean Manufacturing, specializing in optimizing production processes and driving efficiencies within the automotive industry. Demonstrated success in leading continuous improvement initiatives, utilizing Lean methodologies such as Value Stream Mapping and Kaizen to enhance operational performance. Proven ability to collaborate effectively across diverse teams while mentoring colleagues in Lean practices. Committed to achieving quality standards while realizing significant cost reductions. Eager to leverage skills in a new challenge at Slate Engineering Solutions to support innovative manufacturing solutions.

## EXPERIENCE

### Senior Industrial Engineer

June 2018 - Present

Precision Manufacturing Co.

Indianapolis, IN

In a senior role leading optimization projects, focused on enhancing manufacturing capabilities and efficiency across production lines. Collaboration spans different functions including Design, Quality Assurance, and Operations to ensure project alignment with strategic objectives.

- Redesigned processes that increased operational productivity by 15% while reducing waste by 20%.
- Executed Lean initiatives employing 5S and Standard Work, streamlining multiple production lines.
- Conducted time studies and capacity analysis that led to optimized labor allocation.
- Steered cross-functional teams ensuring product launch readiness, reducing time-to-market by 30%.
- Developed KPI dashboards for tracking performance and implemented insights resulting in 25% lower operational costs.
- Trained team members in Lean principles, cultivating a culture of continuous improvement with a noted engagement increase.

### Industrial Engineer

April 2014 - May 2018

Automotive Innovations LLC

Fort Wayne, IN

Focused on improving manufacturing workflows during tenure with strong involvement in optimizations and product launches. Maintained a dedication to quality while implementing best practices established within the field.

- Collaborated with engineering teams effectively, boosting product quality by 10%.
- Utilized Lean tools to realize cost efficiencies, simplifying the overall production cycle.
- Played a crucial role in NPI activities, developing process flows and PFMEA documentation.
- Educated staff on Lean methods enhancing skill sets and promoting excellent operational behavior.
- Executed root cause analyses, resolving significant production issues impacting performance.
- Established clear reporting mechanisms fostering transparency in manufacturing metrics.

### Manufacturing Engineer

January 2012 - March 2014

Tech Solutions Group

South Bend, IN

Contributed to new manufacturing processes development and implementation with an emphasis on Lean principles. Engaged collaboratively with other engineers toward achieving successful delivery outcomes in projects.

- Participated in designing manufacturing systems that lifted production capacity substantially by 15%.
- Applied Lean methodologies pinpointing process bottlenecks, suggesting effective improvements.
- Worked alongside multidisciplinary teams securing successful project objectives.
- Facilitated training workshops on Lean methodologies, elevating team competencies.
- Monitored performance reports analyzing KPIs, offering critical insights for decision-making purposes.
- Assisted plant launches ensuring products met all operational requirements before introduction.

## LEADERSHIP & AWARDS

- Awarded Employee of the Year 2020 for outstanding contributions in Lean implementations.
- Recognized with the Excellence in Team Collaboration award from Automotive Innovations LLC.

## EDUCATION

### Bachelor of Science in Industrial Engineering

2011

Purdue University    GPA: 3.5

West Lafayette, IN

**Coursework:** Manufacturing Processes, Quality Control, Lean Methods, Production Management

CERTIFICATIONS

- Lean Manufacturing Certification 📅 2021
- Six Sigma Green Belt 📅 2022

TECHNICAL SKILLS

- **Lean Methodologies:** 5S, Kaizen, Value Stream Mapping, Standard Work
- **Manufacturing Software:** SAP, AutoCAD, SolidWorks
- **Project Management Tools:** Trello, Asana, JIRA
- **Data Analysis Tools:** Excel, Minitab, MATLAB
- **Collaboration Tools:** Microsoft Teams, SharePoint, Slack
- **Reporting Standards:** ISO 9001, APQP, PPAP
- **Statistical Methods:** ANOVA, Regression Analysis, Hypothesis Testing
- **Quality Improvement Tools:** Root Cause Analysis, Fishbone Diagram, Pareto Chart
- **Financial Acumen:** Budgeting, Cost Reduction, ROI Analysis
- **Training Techniques:** On-the-job Training, Workshops, Hands-on Instruction

SKILLS

- |                                  |                          |                 |                     |
|----------------------------------|--------------------------|-----------------|---------------------|
| • Lean Manufacturing             | • Root Cause Analysis    | • Kaizen        | • KPI Monitoring    |
| • Process Optimization           | • Microsoft Office Suite | • Time Studies  | • Training Programs |
| • Continuous Improvement         | • Value Stream Mapping   | • Standard Work | • Capacity Analysis |
| • Cross-Functional Collaboration | • PFMEA                  | • Documentation | • Change Management |

PROFESSIONAL AFFILIATIONS

- Active member of the Society of Manufacturing Engineers (SME).
- Volunteer for local STEM outreach programs promoting engineering careers.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST