

Cohen Hossain

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SUMMARY

Experienced Associate Industrial Engineer committed to enhancing operational excellence in construction projects. Over two years of hands-on experience implementing lean methodologies and process optimization techniques to maximize efficiency and minimize waste. Developed and managed KPIs to track productivity, labor metrics, equipment usage, and material wastage, turning insights into actionable strategies for project managers. A strong communicator skilled in conveying complex technical information into straightforward language, enabling seamless collaboration with field crews and stakeholders. Passionate about fostering a proactive mindset on site, utilizing data visualization tools like Tableau and Excel effectively to monitor project execution.

EXPERIENCE

Associate Industrial Engineer

June 2025 - Present

Innovative Construction Solutions

Fort Worth, TX

As an Associate Industrial Engineer, focused on driving value through effective application of lean principles across diverse construction projects. Worked closely with cross-functional teams to enhance workflows and drive efficiencies, aligning processes with overall strategic goals.

- Implemented Lean methodologies such as 5S and Kaizen, resulting in substantial improvements in workplace efficiency and safety.
- Conducted detailed time studies and workflow analyses, identifying crucial bottlenecks allowing for a robust reduction in construction cycle times by shifting approaches.
- Developed key performance indicators (KPIs) for monitoring labor productivity, providing strategic insight that significantly impacted project outcomes.
- Designed site layouts and staging plans that minimized handling time and improved material delivery reliability.
- Collaborated extensively with supervisors and subcontractors, driving effective shifts toward new operational best practices across multiple job sites.
- Facilitated post-project analysis sessions that identified critical lessons and enhanced planning efforts for future works.

Junior Industrial Engineer

August 2024 - May 2025

Dynamic Engineering Services

Austin, TX

In this role, provided foundational support in executing lean manufacturing concepts and ensuring operational consistency across projects. Engaged directly with data visualization and workflow documentation, equipping teams with essential metrics for improvement efforts.

- Assisted in deploying Lean principles throughout project lifecycles, boosting overall operational efficacy factor considerable.
- Supported the creation and optimization of Standard Operating Procedures (SOPs), ensuring adherence to quality standards across ongoing construction projects.
- Visualized data using Tableau to highlight insights, strengthening decision-making processes within project teams.
- Performed field observations that uncovered potential process enhancements, bolstering safety measures and worker productivity.
- Actively participated in multi-departmental meetings, promoting shared understanding and clear communication regarding project objectives.
- Contributed meaningfully to comprehensive project documentation retained for continuous organizational learning.

LEADERSHIP & AWARDS

- Dean's List, University of Texas at Austin (2022, 2023)
- Winner, University Engineering Hackathon (2023)

EDUCATION

Bachelor of Science in Industrial Engineering

2024

University of Texas at Austin GPA: 3.8

Austin, TX

Coursework: Statistical Analysis, System Optimization, Operations Research, Supply Chain Management

CERTIFICATIONS

- Lean Six Sigma Green Belt 📅 2025
- Certified Lean Construction Professional 📅 2026

TECHNICAL SKILLS

- **Data Visualization Tools:** Tableau, PowerBI, Excel
- **Lean Methodologies:** Kaizen, 5S, Value Stream Mapping
- **Construction Software:** AutoCAD, Revit, Procore
- **Project Management Platforms:** MS Project, Primavera P6
- **Quality Assurance Systems:** Standard Operating Procedures, Quality Control Checklists
- **Productivity Metrics:** Labor Productivity, Equipment Utilization, Material Waste
- **Field Engagement Techniques:** Stakeholder Management, Job Site Coordination, Safety Protocols
- **Change Management Approaches:** Adoption Frameworks, Process Redesign, User Training Programs
- **Workflow Analysis Tools:** Time Studies, Workflow Design Templates, Process Mapping
- **Data Presentation Tools:** Graphs, Dashboards, Reporting Mechanisms

SKILLS

- | | | | |
|------------------------|----------------------|--------------|-----------------------------|
| • Data Visualization | • Project Scheduling | • BIM/Revit | • Workflow Analysis |
| • Lean Methodologies | • KPI Development | • MS Project | • Safety Management |
| • Process Optimization | • Communication | • Tableau | • Time Studies |
| • AutoCAD | • Problem Solving | • PowerBI | • Strategic Problem Solving |

PROFESSIONAL AFFILIATIONS

- ASCE Member
- IE Student Society Member

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST