



SAIFUL ISLAM

Industrial Engineer | Bsc in Textile Engineering | Lean Six Sigma Black Belted

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PROFILE SUMMARY

Results-driven Industrial and Production Engineering professional with a BSc in Textile Engineering and over 5 years of experience in the garments and textile manufacturing sector. Certified Lean Six Sigma Black Belt and GSD-based Process Excellence practitioner with proven expertise in manufacturing excellence, process optimization, and operational transformation. Skilled in driving productivity through Lean methodologies, GSD analysis, and smart line balancing, and recognized for transforming complex production challenges into streamlined, high-efficiency systems through data-driven process optimization and cross-functional team leadership. Passionate about building smarter, faster, and more sustainable manufacturing solutions.

WORK EXPERIENCE

Senior Executive - IE | Urmi Group

May 2024 - Current | Dhaka, Bangladesh

- Implementing automation to align the factory with Industry 4.0 practices.
- Implementing Lean-based methodologies to reduce operation cost and improve productivity.
- Conducting data analysis and ensuring data flow to top-level management.
- Leading IE activities for multiple sewing lines, ensuring smooth daily input and WIP control.
- Implementing Kanban systems and Lean-based improvements to increase productivity.
- Coordinating with cutting and planning teams to ensure smooth material flow.

Senior Executive - IE | HaMeem Group

April 2023 - May 2024 | Dhaka, Bangladesh

- Conducted GSD-based process analysis and improvement.
- Followed up on central cutting operations for the Creative Collection Limited unit.
- Analyzed cut-to-ship flow and ensured WIP and smooth production.
- Analyzed production data and implemented practical, data-backed solutions.

Executive - IE | Sterling Denims Ltd.

November 2020 - April 2023 | Dhaka, Bangladesh

- Served as a member of the Start-up Drive Team during layout planning.
- Acted as a Quality Control Officer (QCO) team member.
- Prepared operation breakdowns and conducted sketch analysis.
- Attended pre-production (PP) meetings and carried out operator evaluations.
- Prepared operator requirement sheets based on layout plans.
- Arranged OBs, folders, templates, and guides before launching new styles.
- Performed line balancing and production follow-up, including balancing graphs and bottleneck identification.
- Resolved bottlenecks through process improvement and balancing techniques.

CERTIFICATIONS

Lean Six Sigma Black Belt | BusinessBee

Project-Based | May 2024

- Led a DMAIC-based project at Urmi Garments Limited addressing elevated reject and rework rates (up to 1.27%), with a target to sustainably reduce this below 1%.
- Implemented a DFSS (Design for Six Sigma)-based project.

EDUCATION & TRAINING

BSc in Textile Engineering | National Institute of Textile Engineering and Research

January 2017 - December 2020 | Savar, Dhaka, Bangladesh

Field of study: Textile Engineering, Industrial Engineering

HSC (Higher Secondary Certificate) | Jhalakathi N S Kamil Madrasah

January 2015 - December 2016 | Jhalakathi, Barishal, Bangladesh

Field of study: Science

KEY PROJECTS

1.Introduction & Execution of Automation & Innovation | URMI GROUP

Ongoing Project

Analys's world Automation to existing culture and develop:

- Impacting around 0.48% of Total produce minute.
- Resulting saved average 18 lakh taka per month.
- Introduced automated solutions, including auto-hemming, auto-label making, and elastic ring making, to reduce manual dependency and improve consistency.

2.Introduction & Execution of 5S| URMI GROUP

Ongoing Project

- Implemented a structured 5S workplace-organization program across production areas to improve safety, discipline, and efficiency.

3.Redesign of Process Flow — Raw Material Receipt to Fabric Dyeing | URMI GROUP

July 2025 - August 2025

Used DMAIC and Value Stream Mapping (VSM) analysis to redesign the material flow path, achieving:

- Smoother material flow across the process.
- Approximately 20% increase in storage capacity.
- Approximately 15% increase in productivity.

4.Capacity Design for Garments Cutting Section | URMI GROUP

October 2025 - November 2025

Conducted VSM analysis and workload data analysis for all cutting section personnel, achieving:

- Ensured smoother material flow.
- Reduced manpower requirement by approximately 48 personnel.
- Reduced overproduction and excess inventory.

5.Textile Finishing Floor Analysis| URMI GROUP

April 2026 - May 2026

Analyzed workflow on the textile finishing floor to identify bottlenecks and improve process throughput:

- Smoother material flow across the process.
- Improved the Dyeing Finishing capacity by 10%.
- Reduced stenter machine downtime about 15%.

6.Value Stream Mapping of FTML Input System | URMI GROUP

June 2026 - July 2026

Mapped current- and future-state material and information flow for the FTML input process to reduce lead time and improve visibility:

- Standardize the material flow.
- Utilized 30% more space.
- Reduced around 8 manpower through excess process identification.

SKILLS

Advanced Excel • Power BI • Microsoft Office • Professional Email Writing

LANGUAGE SKILLS

Mother tongue: Bengali

English (C1 - Advanced): Listening, Reading, Spoken Production, Spoken Interaction, Writing

CONFERENCES & SEMINARS

Career Catalyst: Campus to Career | NITER

July 2025 - Current | Savar

Program on transitioning from student life to professional standout performance.

Innovate Yourself | NITER

February 2023 | Savar

Training on leadership, public speaking, computer skills, and communication.

PREFERRED AREAS

Garments Operations • Industrial Engineering • Merchandising

REFERENCES

MD. Zahangir Alom — Deputy Manager, IE

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"I have known him for several years. He is creative and a highly potential person."

Rahat Hossain Shikder — Manager, Industrial Engineering, Urmi Group

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"I have known him for several years and worked with him closely. A good guy who understands situations well and learns quickly."