



Mustafa Alzubair

Process Engineer

A detail-oriented plastic engineer with strong time management, resourcefulness, and problem-solving skills. Experienced in plastic moulding machines; knowledgeable about machine operation, maintenance, and defect correction. Uses recognised methods and equipment to achieve high-quality results.

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WORK EXPERIENCE

Process Engineer

DAL Foods

12/2022 - 11/2023

Khartoum, Sudan.

Responsibilities:

- Planned, carried out, and reported results from process development trials.
- Identified loss issues and implemented solutions to increase yield and productivity.
- Investigated and troubleshooted engineering-related process problems to reduce downtime.
- Generated standard operating procedures for all engineering activities.
- Ensured processes comply with safety and quality standards.

Operations and Maintenance Engineer

Kawleen Co. Ltd.

08/2021 - 12/2022

Khartoum, Sudan.

Responsibilities:

- Performed planned preventative maintenance to minimise production downtime.
- Optimised equipment performance through routine inspections and adjustments.
- Achieved production targets with excellent planning and machine operation.
- Communicated safely to coordinate with team members in a noisy and fast-paced environment.
- Inspected finished products for quality and adherence to specifications.
- Performed sub-assembly work to contribute to the overall production process.
- Deal with a variety of injection moulding machine moulds, like 2 plates and 3 plates.

Operations and Maintenance Engineer

Adil Plastic Factory

01/2021 - 08/2021

Khartoum, Sudan.

Responsibilities:

- Operated injection and extrusion-blow moulding equipment to create the desired plastic components.
- Monitored machine equipment to maintain the quality of output.
- Troubleshooted machine faults, solved technical problems, and carried out minor repairs.
- Swiftly segregated rejected products, thoroughly documented by fault type.
- Reclaimed waste materials for recycling and reprocessing.

EDUCATION

BSc Plastic Engineering

Sudan University of Science and Technology

12/2014 - 12/2020

Khartoum, Sudan.

SKILLS

Plastic Manufacturing Industry

Material selection

Injection Molding

Extrusion Blow-molding

Extrusion Sheet

Equipment Operation

Set Process Parameters

Process Troubleshooting

Equipment Maintenance

Process Improvement

Six Sigma

5S

Waste elimination

Health & Safety Protocols

Data Entry

Pragma Software

Research

Microsoft Office Proficiency

Attention to details

Teamwork

PROJECT

PLA Electro-Spun Nanofibers (11/2019 - 11/2020)

CERTIFICATE

Agile Leadership: Introduction to Change (12/2023 - Present)

Coursera, **Certificates ID: 7H27PBG3F8X7**

Six Sigma Tools for Define and Measure (12/2023 - Present)

Coursera, **Certificates ID: ELEEJDYWPYX4**

Six Sigma Principles (11/2023 - Present)

Coursera, **Certificate ID: G63EPUMNA3S8**

Personal Protective Equipment (PPE) (11/2023 - Present)

The Knights of Safety academy, **Certificate ID: SGPDN3P8JY**

VOLUNTEERING

Plastic Engineer Student Association (02/2016 - 11/2018)

Media secretariat official

Takaful ORG. (03/2015 - 04/2023)

Designer

LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Professional Working Proficiency

INTERESTS

Photography

Graphic design

Travel

Technology