

# MOHAMMAD SAIFUDDIN SANUSI

pusaifsanusi@gmail.com | +(65) 8342 - 9186 | Permanent Resident | <https://github.com/Saifsan97>

Result-oriented and multilingual research engineer specializing in data analysis with a background in customer service, hydrogen fuel cell technology, semi-conductor, polymer extrusion, green energy, sales, and management.

## WORK EXPERIENCE

### Testing & Research Engineer | Sydrogen Energy Pte Ltd

June 2023 – Present

- Leading Gas Chromatography sample testing, creating protocols that **improved data accuracy by 20%**.
- Formulating the catalyst formulation based on the cost and performance analysis.
- Supporting **CE certification** of first hydrogen fuel cell product through testing and assembly collaboration with China team.

### Process Engineer | Powerzone H2 Technologies Pte Ltd

Sept 2022 – June 2023

- Developed SOPs, BOMs, and managed the product development - design, manufacturing, and final packaging
- Established relationships with over 45 suppliers and handled inquiries from potential customers.
- Enhanced product visibility by **increasing booth traffic by 30%** through marketing strategies.

### Associate Engineer | Kulicke & Soffa Pte Ltd

June 2021 – Sept 2022

- Troubleshoot and resolved complex mechanical, electrical, and process issues during equipment assembly and testing phases.
- Assembled and tested **2 wire bond machines** in under 4 hours, adhering to standard work instructions.
- Acted as a technical mentor, leading diagnostic processes on testing and calibration for machine components.

### Store Manager | Long John Silver Pte Ltd

June 2021 – Dec 2020

- Oversaw daily operations of the store, including staff supervision, inventory management, and customer service.
- Led and trained a team of 12 employees to achieve sales targets and deliver excellent customer service.
- Resolved customer complaints efficiently, resulting in improved customer satisfaction and repeat business.

## EDUCATION

### UNIVERSITY OF MASSACHUSETTS AMHERST, USA | 2020

Bachelor of Science in Chemical Engineering

## SKILLS

LANGUAGE	SOFTWARE	MACHINERY	
• Malay	• Microsoft Office	• Agile	• Polymer Extruder Machine
• English	• MATLAB	• BORIS	• Tensile Testing Machine
• Thai	• C++	• SAP	• Eye Tracking Device
• Mandarin	• Aspen	• Tableau	• 3D Resin Printing
	• SQL	• AutoCAD	• Rheometer
			• Wire Bond Process Analytical
			• Gas Chromatography (GC)
			• High Performance Liquid Chromatography (HPLC)
			• Digital Scanning Calorimeter