

Jad Elsaghir

(313) 310-2375 | Detroit, MI | jadelsaghir0@gmail.com | [linkedin.com/in/jadelsaghir0](https://www.linkedin.com/in/jadelsaghir0)

WORK EXPERIENCE

CRUX

Detroit, MI

Founder & Operations Consultant

May 2026 – Present

- Provided pro bono operational consulting services to two Metro Detroit small businesses, applying Lean and continuous improvement principles to identify workflow inefficiencies and reduce operating costs
- Conducted process mapping, workflow analyses, and root cause assessments, recommending operational changes that generated more than \$10,000 in estimated annual cost savings across client engagements
- Designed standardized operating procedures, optimized labor utilization, and eliminated non-value-added activities, improving process efficiency and service delivery

STELLANTIS

Detroit, MI

Industrial Engineer | General Assembly

March 2026 – Present

- Led Lean continuous improvement initiatives across 17 General Assembly teams, partnering with production leadership to optimize workflows and resolve operational bottlenecks
- Delivered over \$800K in annualized labor savings by conducting line balancing, time studies, and workstation redesigns that optimized headcount, standardized work, and improved labor utilization without compromising safety, quality, or throughput
- Managed cross-functional process improvement projects with manufacturing, maintenance, tooling, logistics, and suppliers to execute workstation relocations, process changes, and material flow improvements that reduced operational waste and supported line efficiency
- Conducted extensive time studies, labor analyses, and workstation evaluations to eliminate bottlenecks, recover 2–3 seconds per production cycle, and support continuous improvement across high-volume vehicle assembly

MAYO CLINIC

Rochester, MN

Clinical Scientist

August 2024 – August 2025

- Analyzed high-volume operational data supporting over 800 daily diagnostic tests while identifying workflow improvements that enhanced throughput and operational performance
- Developed data visualizations and process analyses that reduced turnaround time for patients by 12 hours, improving operational efficiency and supporting executive decision making
- Used quantitative analysis to identify process inefficiencies, reducing operational waste by 12% and generating approximately \$150K in annual savings

CERTIFICATIONS

Stellantis | Reactive Green Belt

July 2026

Mayo Clinic | Silver Quality Essentials

January 2025

SKILLS

Technical: C++, Python, SQL, Tableau, Microsoft: Excel, Word, Powerpoint, and Azure, LLM Prompt Engineering

Analytical: Capacity Planning, Continuous Improvement, Inventory Optimization, Lean Manufacturing, Line Balancing, Operational Excellence, Process Optimization, Production Planning, Time Studies, Value Stream Mapping, Work Measurement

Language: Arabic, Spanish

EDUCATION

The University of Michigan - Ann Arbor | Master of Science in Industrial and Operations Engineering

May 2027

Admitted to Tauber Institute For Global Operations

Relevant Coursework: Supply Chain Analytics, Data Analytics, Optimization, Decision Modeling, Financial Engineering, Operations Research

The University of Michigan - Ann Arbor | Bachelor of Science in Biology, Health, and Society

May 2024