



Muhammed Fouad Al Malathi

System Developer

Personal Information

Mobile	(+966) 54321 4500	Nationality	Syrian
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Website	www.muhaas94.com	Marital status	Single
Address	Al Khobar, Saudi Arabia		
Memberships	Saudi Council of Engineers		

Profile

- Full-Stack developer specializing in manufacturing and engineering automation. Designed and deployed production-critical systems that replace manual engineering workflows, generate CAD/CNC outputs, and integrate with ERP and financial reporting.
- Strong background in turning domain knowledge into scalable software used daily by operations, sales, and engineering teams.
- Shortlisted Top 40 software business ideas – Start Smart Saudi Competition (2025)





Software: Constraint-based estimation (CPQ) for manufacturers & service providers (startup name: ApolloByte).

Skills

Languages	<ul style="list-style-type: none">• Arabic (Native),• English (Excellent).• German (C1.1), Goethe Institute, Germany (July 2018).
Software	<ul style="list-style-type: none">• Excel VBA, AutoCAD, Solver Optimization

Tech stack

Application Backend	NodeJS/ Express, PHP 7.4
Application Frontend	HTML, CSS, JavaScript, jQuery
Database & Storage	MySQL, SQL server
Cloud Storage	AWS S3, DigitalOcean Spaces
Hosting & DNS	Cloudflare, DigitalOcean
Custom Software	Maker.js (2D CAD automation)
AI Automation	n8n Workflows
Pipeline	Electron.JS Desktop Applications

Education	
2018 - 2023	MSc. in Civil Engineering , University of Bahrain - Bahrain ❖ <i>Thesis:</i> Design Optimization of Composite Steel Plate Girder Bridges. (Second Class Honors)
2013 - 2017	B.Sc. in Civil Engineering , University of Bahrain - Bahrain
2012 - 2013	Preparatory Level-UniDiploma , Dammam Community College
Experience	
Nov 2020 – current	Al Kuhaimi Metal Industries Ltd. – Dammam, Saudi Arabia
 	Junior system developer
	<ul style="list-style-type: none"> ❖ Engineering & R&D <ul style="list-style-type: none"> • Complete 2D design automation application for security doors & frames (Manufacturing drawings, CNC cut-list & bending G-code). • Achieved 60-90% reduction in engineering cycle time. • Achieved 50% reduction in QC NCRs. • Tool for automatic BOM calculations using standard company input files (CSV/ Excel). ❖ General <ul style="list-style-type: none"> • Centralized platform for sales to create & manage installation quotations in coordination with installation team. • Project management & planning platform for tracking on-going projects with project-specific activities tracker. • Summary dashboards for sales, invoicing & collection. ❖ Financial <ul style="list-style-type: none"> • ERP link with 3d party middleware for ZATCA phase 2. • Automated Report: Accounts Aging Receivables / Payables. • Automated Report: Client Statement of Account. • Automated Report: Collection Summary. • Automated Report: On-going projects & outstanding. • System: Letter of Credit, Letter of Guarantee & loans. ❖ ERP related <ul style="list-style-type: none"> • Handled creation of new generic products using the PCF tool (Product Configuration) within BAAN (Infor) ERP. • Optimized a number of existing SQL queries for existing reports.

Portfolio & sample applications are available upon request