MOHAMED NASRELDIN.

SOFTWARE DEVELOPER / ARCHITECT · BIM SPECIALIST

mohd.aboulhassan@gmail.com
6th of October City, Giza, Egypt
dev.nasreldin.design

PROFILE

Full-stack developer with an architect's training. I design and ship products end to end — from a studio-management platform for architects to an AI translation pipeline for Shopify stores.

I studied architecture at Universiti Teknologi Malaysia and spent years inside Revit, Navisworks and BIM 360, coordinating models and documenting buildings. That work taught me how teams lose time: scattered files, manual reports, approvals nobody can track.

PROJECTS

Archo & Archy · archo.nasreldin.design

LAUNCHING SOON · 2026

Product · Practice management

One desk for architecture practices. Archy runs the solo architect's day; Archo runs the studio — tasks, client email, site reports, permits and models in a single bilingual app.

- Daily agenda, client-email filing and project chat with pinned decisions
- Site-visit reports exported to PDF in Arabic or English
- In-app viewer for DWG, DXF, PDF, RVT, IFC and XLSX files

Shopify Translator

CLIENT PROJECT · 2026

Client system · Admin dashboard

An admin system that normalizes a bilingual Shopify catalog. It moves each language into the field it belongs in, generates missing translations and verifies every write, with a snapshot and rollback for every product.

- Deterministic analysis first; the LLM runs only where language understanding is needed
- Provider-agnostic LLM layer: OpenAI by default, Anthropic or any OpenAI-compatible endpoint by configuration
- Validation gate checks language purity, HTML balance and that technical tokens (300W, USB-C) survive

Accommodation Management System

DELIVERED · 2022

Web app · Booking & approvals

A booking system for college housing. Students apply for a room online, housing managers accept or reject requests, and admins manage every account and record from one dashboard.

- Students register, sign in and request a room for one semester, two semesters or a full year
- Managers review incoming requests and accept or reject them in one click
- Admins manage students, managers, admins and all requests, with search across records

EDUCATION

B.Sc. Architecture with Honours

CGPA 3.55 / 4.00

Universiti Teknologi Malaysia, Johor Bahru · Sep 2020 – Sep 2024

BIM Architectural Diploma

AUTODESK CERTIFIED

BIM Solutions, El-Dokki, Giza · Oct 2022 – Dec 2023

Foundation in Science

CGPA 3.45 / 4.00

Universiti Teknologi Malaysia, Johor Bahru · Apr 2019 – Apr 2020

SKILLS

LANGUAGES & FRAMEWORKS

TypeScript, **React**, **Next.js**, **Node.js**, Python, PHP, Tailwind CSS

DATA, APIS & AI

PostgreSQL, MySQL, Prisma, SQLite, REST & GraphQL, **Shopify Admin API**, **OpenAI API**, Multi-provider LLMs, Git

BIM & DRAFTING

Revit, **Navisworks**, BIM 360, **AutoCAD**, Dynamo, IFC

MODELLING & VISUALISATION

SketchUp, 3ds Max, V-Ray, **Enscape**, Unreal Engine 5, Blender

DESIGN & MEDIA

Figma, Photoshop, Vegas Pro

AUTODESK CERTIFICATES

Revit · BIM Manager	JUN 2023
Navisworks Manage · BIM Coordinator	NOV 2023
Autodesk BIM 360	OCT 2023
Revit · BIM Specialist	FEB 2023
Revit · Architectural BIM Engineer	DEC 2022
Revit · Architecture Families	MAY 2023

ISSUED BY BIM SOLUTIONS, AN AUTODESK AUTHORIZED TRAINING CENTER.

FOCUS

- Product design and full-stack web apps
- LLM integrations with swappable providers
- Shopify catalog automation and admin tools
- Bilingual Arabic / English (RTL) interfaces
- BIM coordination, clash detection and ISO 19650 workflows
- Revit modelling, parametric families and documentation

LANGUAGES

Arabic	NATIVE
English	FLUENT

REFERENCES AVAILABLE ON REQUEST