Alaa Nesim Elhelihy
Software Consultant
Expert in ERP & Full-Stack Business
Egypt

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Professional Summary

Software Consultant | ERP & Integrated Applications Expert

- 27+ years of experience in software development, databases, and integrated technical solutions.
- Founder & General Manager of Tbaark Software (2011-Present), delivering more than 30 specialized systems and full ERP solutions.
- Extensive experience in projects for government entities and leading companies in Egypt and Saudi Arabia.
- Highly adaptable to new programming languages, frameworks, and emerging technologies.

Key Recent Projects:

- **2024**: Released Tbaark School Management System, a full online solution with a dedicated mobile app.

- **2023**: Developed and launched Question Bank app for students on Google Play

Work Experience

Power Life – Egypt
plfilters.com

Technical Consultant | 2020 - Present
- Designed and implemented a fully integrated ERP system managing 14 branches nationwide, include customer service, manufacturing, and HR.
- Developed a custom mobile application with thermal printer integration, enabling on-site technicians to issue instant maintenance receipts.
- Supported digital marketing campaigns by coordinating with marketing and technical teams to ensure seamless system performance.

Tbaark Software Office – Egypt
Founder & General Manager | 2011 – Present
Founded and manage Tbaark Software since 2011, designing and developing dozens of specialized software solutions for companies and institutions, including:
  o Comprehensive Accounting System (Purchases – Sales – POS).
  o Mobile Recharge System for telecom operators
  o Clinic Management System with prescription printing, patient accounts, and medical records
  o Dental Laboratory Management System.
  o Radiology Center Management System.
  o Real Estate Management System (Cash & Installment).
  o Tourism & Travel Reservation and CRM System.
  o Car Showroom Management System (Cash & Installment).
  o Cloud-based ERP for Sales & After-Sales Services, connecting all branches with a mobile app for installment collection and maintenance visits management.

AlDafira companies, Al Maali &Al Bilad – Saudi Arabia
www.4hajj.net   www.aldafira.sa

Systems Developer & External Technical Consultant
2017 – 2024 (3 months annually)

- Designed and developed "Tbaark", an end-to-end pilgrimage management system for three leading domestic pilgrimage companies, it includes:
  o Flight and transportation scheduling
  o Hotel and camp accommodation, management in Makkah, Mina and Arafat
  o Pilgrim management, ID badge design and printing all documentations
- Built a desktop application for accommodation allocation and a full web platform (Laravel backend & Vue.js frontend)
- Every year, over the course of 8 seasons, I followed up and implemented the tasks within KSA during pilgrimage season to ensure effective operation and immediate response

Programming Languages

Expert ★★★★★

- ✓ VB6
- ✓ ASP
- ✓ HTML

Advanced ★★★★☆

- ✓ PHP
- ✓ Laravel
- ✓ Vue.JS
- ✓ Dart
- ✓ Flutter
- ✓ Java Script

Intermediate ★★★☆☆

- ✓ C#.net
- ✓ CSS
- ✓ React Native

Databases

Advanced ★★★★☆

- ✓ SQL Server
- ✓ MySQL
- ✓ SQL
- ✓ Maria DB
- ✓ SQLite

Intermediate ★★★☆☆

- ✓ Access

Contact Information

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🌐 **www.alaanasem.com**

For more details and to explore my projects, please scan the QR code below

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AGC Academy – Egypt
agcacademy.net
Lecturer &Technical Support Specialist | 2005 – 2008

- Worked as a lecturer in programming languages and databases, and provided training content covers both fundamental and advanced programming concepts.
- Participated in preparing and recording 30+ hours of educational video content on programming and database topics.
- Produced and published a complete tutorial explaining Oracle SQL Plus, approved by the Academy.
- Later moved to work within the technical support team to provide solutions and follow up on trainees' practical applications.

Workers University - Alexandria - Egypt
www.wea-edu.com **Database Lecturer | 2005**

- Taught database fundamentals to university students, delivering both theoretical and practical lessons with applied examples, aligned with the official academic curriculum

Ministry of Youth and Sports - Beheira - Egypt | 2004

- Taught Windows operating system and Microsoft Office applications to trainees

Al-Hassan Import &Export Co – Egypt |2001–2004

- Worked in the maintenance department, and developed a desktop application for customer data management and designed the company's official website

Government Projects Portfolio

Selected Systems & Applications Delivered to Ministries and Government Entities

Ministry of Health - Damanhour Medical National Institute (D.M.N.I.) – Egypt | 2021

Designed and implemented a custom software for the Engineering Department to manage maintenance and facility operations

Faculty of Commerce Alexandria University – Egypt | 2014

- Developed an integrated student management system for the Open Learning Department.
- Design a separate control management program and link it to the main program
- Design a strict permissions system with strong protection to ensure data security and privacy

Ministry of Social Affairs – Egypt | 2005

Developed a custom installment management system for the Small Investors Lending Association