



Mohamed H. Aly

✉ mohamedh.aly@hotmail.com ☎ +201065583557
📍 213, Street 8, 2nd district, 1st area, New Cairo, 11835 Cairo

Education

Bachelor of Science, Management Information Systems

Jul 2021

Arab Academy for Science & Technology & Maritime Transport (AASTMT)

American Diploma

Jun 2012

Manor House International School

Employment

Interface specialist

Feb 2022 - Present

Advanced Computer Technologies (ACT)

- Worked as a system integrator for many established hotel chains including but not limited to IHG, Marriott & Wyndham.
- Worked in a very agile environment with a tightly packed customer-facing team.
- Installed many 3rd party subsystems that the hotel uses on a daily basis, including but not limited to Door Lock Systems, Internet Protocol Television Systems & Point Of Sale Systems.
- Integrated said subsystems and interfaced with the main hotel Property Management System.
- Installed said interfaces in hotels all around the world, interacting with customers remotely & troubleshooting issues on the spot.

Face detection web app

Dec 2021 - Jan 2022

Freelance

- Developed a web app that takes user input images and detects where the faces are.
- Developed the frontend with React to handle states and tachyons to handle CSS styling.
- Implemented a connection with the "Clarifai" API to handle the face recognition through machine learning.
- Developed a backend server with user login & registration in NodeJS & Express.
- Created a PostgreSQL database to store user data.
- Connected the backend with the database through Knex.js middleware.
- Implemented one-way password hashing for increased security through "bcrypt".
- Implemented JSON Web Tokens coupled with Redis for secure session management.
- Implemented Serverless functions to rank user's entries.
- Deployed the app, server & database through Heroku hosting services.

Personal details

Portfolio

metwesh.github.io/Portfolio-v2

Skills

HTML5, CSS3 & SCSS

Bootstrap, tailwind, etc.

JavaScript & TypeScript

React

PHP

NodeJS

Express

Unit testing

RESTful APIs

Serverless Architectures

MYSQL

PostgreSQL

MongoDB

Redis

Docker

Git & Github

Bash CLI

AWS, Azure, Google Cloud

Heroku

CI/CD

Book Rental System

Sep 2020 - Jul 2021

AASTMT

- As part of the graduation project, designed a system to handle customer information and book orders, and designed an associated website that was both functional and elegant with a user-friendly UI.
- Created a multi-leveled Data Flow Diagrams (DFD) with an accompanying Entity Relationship Diagram (ERD) for the system using Microsoft Visio & other diagramming tools.
- Developed the backend using PHPmyAdmin, PHP & MYSQL, and the frontend using HTML, CSS & JavaScript.
- Performed market research and analysis of bookstores in Egypt & their platforms to evaluate opportunities and determine the appropriate entry point.
- Conducted interviews with people who worked in known bookstore chains in Egypt to get a better understanding of the competition in the market.
- Prepared & conducted a survey to end-users to determine the most frequently used methods for book ordering whether that is brick & mortar or online.

Languages

English

Arabic

Courses

Complete Web developer

Jan 2022



Complete junior to senior developer

May 2022



Certificates

JavaScript Certification

Jan 2022

https://www.codingame.com/certification/_qSkPD6K1GYUn4FIDBnGFg

