

AHMED ALI

Software Engineer

@ ahmedabdalmola2017@gmail.com ☎ +201096159695

in [linkedin.com/in/AhmedAliAbdalMowla](https://www.linkedin.com/in/AhmedAliAbdalMowla) github.com/AhmedAliAbdAlMowla

EDUCATION

Bachelor of computing and information technology ,
Computer Science

Arab Academy for Science, Technology and Maritime Transport
(AAST)

📅 October 2016 - July 2020

3.2/4.0 GPA ,Very good

EXPERIENCE

Software Engineer (Backend) in [Locals Company](#)

Full time

📅 October 2023

📍 kuwait

- Systems design.
- Sites APIs development and maintenance.
- Integration with many services to raise and achieve the efficiency of applications.

Software Engineer (Backend) in [PYLON Company](#)

Full time

📅 November 2021

📍 Egypt - Cairo

- Worked in the team specialized in developing and implementing Metering Data Management System (MDMS) and Head-End System among other AMI Metering software solutions.
- Ensured interoperability between software and Smart Metering components in collaboration with the meter manufacturing RD teams.
- Developed a Meter Data acquisition system (MDAS) with High performance and scalability under oracle Linux and asynchronous services using Node.js/C++, Non-relational database like NoSQL In-memory processing using Redis and Load balancer.

Software Engineer (Backend) in [Hawzen Company](#)

Full time

📅 August 2021 - November 2021 📍 Turkey -Istanbul branch

- Systems design.
- Sites APIs development and maintenance.
- Integration with many services to raise and achieve the efficiency of applications.

Software Engineer (Backend) in [Protoqit Company](#)

Part time

📅 December 2020 - July 2021

📍 USA-California

- Developing features to enhance the user experience.
- Sites APIs development and maintenance.
- Integration with many services to raise and achieve the efficiency of applications

TECHNICAL SKILLS

• Languages

JavaScript (ES6)

TypeScript

C/C++

GO

• Backend

Restful API

Node.js

Express

JWT

Socket.io

Nest.js

Swagger

• DevOps

AWS EC2

AWS S3

Docker

Linux

Nginx

PM2

typeSense

• Databases

SQL

PostgreSQL

PostGIS

MySQL

MongoDB

Redis

• Others

Git/Github

Algorithms

Data structures

OOP

Unit testing

PROJECTS

[Codetogeeks site](#) (owned by me)

- This project allows visitor to read articles and posts about tech like medium.
- **Backend:**
 - Implemented full API including (Send Email Service), (Integration with AWS S3 to save files), (Caching strategy using Redis),(API rate limiter), (authentication and authorization), and (swagger as API docs).
 - Key features of this API are login ,google login, registration, logout ,search, create posts, create tags, save posts and articles in save posts list at your profile , like posts.
 - Established user roles for Admin, authors, users.
- **Dashboard:**
 1. Developed the admin dashboard using (HTML, CSS, Ant Design, React, Redux toolkit).
 2. Key features: Full authentication system with CRUD operations for posts and tags, Recording and showing all system logs, Also includes files upload, and show webs-site statistics.
- **DevOps:**
 1. Created EC2 instance and prepare it for production (install and configured Nginx, Redis, PostgreSQL , git , Node.js and PM2).
 2. Created AWS cloud-front distribution and configure origins , SSL and cache behaviors.
 3. Created AWS Route 53 hosted zone and configure it (create records and link it with namecheap and AWS cloud-front distribution).
- **others:**
 1. Added google analytics.
 2. Indexing site at google search.
- **Techs:** React , Next, SSR,SSG, Typescript, Sass, Redux, Restful API, Node.js, Swagger, Express, JWT, PostgreSQL, Api rate limit, Redis, AWS Cloudfront,AWS Route 53, AWS s3, AWS EC2 , Nginx, Swagger.

[Protoqit CRM API](#) for [Protoqit Company](#)

- Implemented APIs for a client relationship management system website,
- This project allows Protoqit clients to get easy and clear updates for their clients.
- Key features: Folder creation, file uploads, project timeline, progress bar, and project tasks.
- Established user roles for Admin, Moderator, and Client.
- **Techs:** Restful API, Node.js, Express, JWT, PostgreSQL, AWS s3, AWS EC2, Nginx, Swagger and Docker.

[YSH CRM API](#) for [YSH Company](#)

- Implemented APIs for a client relationship management system.
- This project allows YSH clients to view and monitor updates for their project.
- Key features: Folder creation, File uploads, Project timeline, Task updates.
- Established user roles for Admin, Moderator, Client
- **Techs:** Restful API, Node.js, Express, MongoDB, AWS S3, AWS EC2, Nginx and PM2.

ACHIEVEMENTS | ACM

- [ACM](#) Africa and Arab Collegiate Programming Championship (2018)
- ACM Egyptian Collegiate Programming Contest (2018)
- ACM Egyptian Collegiate Programming Contest (2017)
- ACM Training coach at Arab Academy for Science, Technology and Maritime Transport
- Solved +300 programming problems on different online judges using C++ language.
- Participated in various online contests such as Facebook Hacker cup and Code Chef Snack Down

COURSES

Open Source (ITI) (1 months)

Competitive Programming, Arab Academy(RIC)

LANGUAGES

Arabic

English

GRADUATION PROJECT

[Emotion Recognition using facial expressions](#)

- This project uses a conventional neural network , functional model and residual modules to detect human face and classify face emotion
- **Techs:** Deep learning, Python and CNN