MUHAMMED MAGDY

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👤 PROFILE

Software Engineer with 4+ years of experience

- Experience in backend engineering with hands on experience in frontend technologies.
- Experience in all software life cycle (analysis, design, coding, testing and documentation).
- Possess strong analytical skills and a good orientation to software engineering and processes.
- If you're looking for a software engineer who has a strong foundation of problem solving, system design skills then you're at the right place.

💼 WORK EXPERIENCE

📅 10/2020 – PRESENT ⚲ CAIRO, EGYPT
Senior Backend Developer
Mawad

Mawad

- Managing a team of 6 developers (3 frontend, 2 mobile, 1 backend, and me)
- Implemented e-commerce features like (sellers, buyers, categories, products, orders, returns, notifications, etc...)
- Conducting requirements gathering and validation as a part of the collaboration that helps to develop clear, unambiguous technical requirements and establish a consistent feedback loop
- Reviewing the quality of code from all teams

📅 10/2017 – 10/2020 ⚲ ISMAILIA, EGYPT
Senior Backend Developer
Index Group

Home Services V2

- Broke our monolith app into microservices incrementally.
- Overcame the challenges of microservices architecture like came up with ideas to make our systems more stable such as transaction outbox pattern, its implementation

💼 WORK EXPERIENCE

- Implemented the most critical business logic such as order tracking, actions, payments, long processing tasks
- Led the team when our team leader was called up for military service
- Implemented earnings service for handling all system transactions
- Integrated with a search engine (solr), error logging (sentry)
- Participated in the project architecture

Services Gateway

- Implemented a high-performance validation module that compiles json schemas to validation functions to be cached for incoming requests. Resulting in the reduced time needed to validate a single request 10x times faster.
- Implemented a module to use the same validation schemas for documentations
- Implemented GRPC module for high-speed communication between the gateway and the others apps.
- Implemented social login (Google, Facebook, Twitter).

Home Services

- Implemented order system with up to 13 status that requires multiple user actions.
- Worked with the business team closely to resolve any business logic gap and solve technical constraints.
- Implemented a module to communicate with ksa-gateway using grpc.

Food Services

- Suggested improvements on design and functionality.
- Used Redis with websockets to create a real-time tracking system.
- Integrated with Stripe APIs(customers, cards, payment).

WORK EXPERIENCE

- Worked closely with front-end developers and product manager to deliver product for the client on time.

Woow Go

- Implemented the logic for sharing the profit between drivers and product owner.
- Integrated with outsourcing APIs like Twilio, google cloud services (distance matrix, map directions, geocoding, reverse geocoding, snap to road).
- Created a job system in which each job can be scheduled to run weekly or on-demand.

EDUCATION

📅 2013 – 2017 📍 10TH OF RAMDAN, EGYPT

Computer Science
Higher Technological Institute
Grade: very good

SKILLS

ⓘ **FRAMEWORKS**
Nodejs
Nestjs
Express
React
React Native

ⓘ **DATABASES**
Mongodb
Redis
Mysql

ⓘ **LANGUAGES**
Typescript
C#

ⓘ **TESTING**
Jest
Mocha

ⓘ **OTHERS**
REST API design
Microservices

LANGUAGES

English   **Professional**
Arabic   **Native**

SIDE PROJECTS

- Khayal Web App | Nestjs | React | Mongodb:

Demo: khayal.magdy.pro
▲ : https://github.com/Crackz/decorator

API Docs: khayal-docs.magdy.pro
▲ : https://github.com/Crackz/decorator-api

- Momkn Mobile App | React Native | FB API:
  https://github.com/Crackz/Momkn-App

- Twitter Analysis MKH Web App | R Lang :
  https://github.com/Crackz/TwitteR-Analysis-MKH

SOCIAL MEDIA

LinkedIn   Github   My Website

TAGS
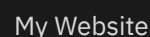
Javascript   # Nodejs   # Redis   # Mongodb
ES6   # Mongoose   # Nestjs
Problem-solving   # OOP   # SQL   # GCP
RESTful API   # Jira   # Express   # Solr
GRPC   # Typescript   # Trello   # React
React Native   # C#   # NOSQL   # Agile
Unit Testing   # Version Control
Documentation   # CI / CD