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).
- I enjoy the mentoring experience, to help others grow and develop, while at the same time achieve better overall performance, and improve engagement.
- Possess strong analytical skills and a good orientation to software engineering and processes.

💼 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 ecommerce features like (sellers, buyers, categories, products, orders , returns, notifications, etc...)
- Conducting requirements gathering and validation as a part of collaboration that help to develop clear, unambiguous technical requirements and establish 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

💼 WORK EXPERIENCE

pattern, its implementation
- 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 search engine (solr), error logging (sentry)
- Participated in the project architecture

Services Gateway

- Implemented a high performance validation module which compiles json schemas to validation functions so they can be cached for incoming requests. Resulting in reduced time needed to validate single request 10x time faster.
- Implemented a module to use 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 users actions.
- Worked with bussiness 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 socket to create realtime tracking system.
- Integrated with stripe apis(customers, cards, payment).

WORK EXPERIENCE

- Worked closely with frontend 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 outsource apis like twilio, google cloud services (distance matrix, map directions, geocoding, reverse geocoding, snaptoroads).
- 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