

Mohamed Magdy

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Expertise Summary

- I have over two and half years of experience working as a backend developer
- As part of my career assignments, I have been involved in Requirement Analysis, Design, Coding, testing and documentation.
- Possess strong analytical skills and a good orientation to software engineering and processes.

Experience

10/2017 – present

Backend Developer

Index Group

Home Services V2, Events

- Broke our monolith app into microservices incrementally. Resulting in 4 services totally independent
- Implemented auto failure strategy for each one of them
- Came up with ideas to make our systems more stable such as transaction outbox 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 for two weeks
- 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).
- Worked closely with frontend developers and product manager to deliver product for 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

Experience

- directions, geocoding, reverse geocoding, snaptoroads).
 - Created a job system in which each job can be scheduled to run weekly or on demand.
- Car Services, Kayed
- Integrated with fcm
 - Migrated php implementation to nodejs
 - Built a reusable code and modules which is still used in our most recent projects
 - Implemented realtime tracking, chat, InApp notification systems

Education

2013 – 2017

Computer Science
Higher Technological Institute, 10Th Of Ramdan, Egypt
GPA: 3 Of 4

Skills

Frameworks

Nodejs Professional
Nestjs Professional
Express Professional
React Professional
React Native Professional

Languages

Javascript (Typescript) Professional
C# Professional
SQL Limited
R Limited

Others

REST API design Professional
Microservices Professional

Databases

Mongodb Professional
Redis Professional
Mysql Limited

Testing

Jest Professional
Mocha Professional

Languages

English Professional
Arabic Native

Libraries/Tools

JavascriptNodejsRedisMongodbMongooseNestjsSwaggerInversifyjsAjv

DeepstreamGCPJiraSolrJestMochaCircleCiES6RESTful APIExpress

GrpcGitlabTrelloTypescriptGCPGitReactReact NativeRedux

Problem solvingC#OOPSQLNOSQLAgileMicroservicesPM2

Side Projects

- React Native Offline First App: <https://github.com/Crackz/Momkn-App>
- Twitter Analysis In R Lang: <https://github.com/Crackz/Twitter-Analysis-MKH>



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