

Mohamed Magdy

✉ mohamed.magdy.con@gmail.com ☎ +201157954393 📍 Egypt 🔗 magdy.info

🌐 linkedin.com/in/crackz 🏠 github.com/crackz

Summary

Software Engineer with 7+ years of experience

I have experience working with diverse technologies in a variety of domains, including food delivery, ride-hailing, handyman services, car services, events, and others, as a backend, full-stack, and team lead. solid foundation built on more than 400 solved Leetcode challenges and many years of experience architecting and implementing features for microservice-based applications.

Work Experience

Senior Full-stack Engineer, Acrontum

August 2023 – February 2024 | Munich, Germany

A software house company that has many high-value clients, one of which is BMW. I worked on two BMW-related projects. Unfortunately, they are under NDA.

- Built the backend of a platform that helped the company get a 4-year contract with BMW.
- Improved the core of a fintech project by suggesting and adding more crucial features to the business using **Nestjs, Nodejs, Typescript, and Postgres**.
- Architected a system with over 50 million entities and 20k QPS.

Senior Backend Engineer / Team Leader, Mawad

October 2020 – July 2023 | Remote

Mawad Market

You want to build a house from the ground up, then use our platform to buy building materials, appliances, furniture, paint, lighting, and anything else you could imagine.

- Create a B2C and B2B online marketplace for construction professionals using **Nestjs, Nodejs, Typescript, Golang and MongoDB**.
- Build a flexible system that supports unlimited variation in any product without increasing the complexity of the product creation itself.
- Collaborate with the CEO and various stakeholders to grow the company by gathering business requirements and leading the build out of e-commerce features.
- Manage a team of six developers with an agile methodology for all project deadlines, quality, and delivery.

Senior Backend Developer, Index Group

October 2017 – October 2020 | Ismailia, Egypt

Home Services

You have an issue in your home related to plumbing, electricity, carpentry, exteriors, etc., or you want to sell your awesome crafts.

- Broke our monolithic app into microservices incrementally.
- Introduced architectural patterns to improve reliability and consistency that were used for all future projects.
- Implemented critical business logic such as order tracking, actions, payments, and lengthy processing tasks.
- Implemented an ordering system with up to 13 statuses, which necessitated multiple user actions and complex ordering flows.

Chef Ruler

Your favourite restaurant doesn't support your location yet? and you want to get a meal at 1 a.m., then order it through this app.

- Implemented a dispatch system that searches for the nearest delivery guy to the pickup locations and forwards the order based on dynamic rules and conditions.
- Built a real-time tracking system with geofencing, in app and push notifications.
- Integrated with Stripe apis (customers, authorizations, captures, cards).

Woow Go

Uber-like app based on Google Cloud Services that includes features such as guaranteed promotion and bonuses in high-traffic areas.

- Involved in the logic of calculating the ride distance and its fee.
- Implemented the logic for sharing the profit between drivers and sales.
- Integrated with third-party APIs like Twilio and Google Cloud Platform (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.

Projects

Game Of Three: [Gameplay](#) [Source Code](#)

- Embark on a thrilling journey where two players strategically manipulate randomly generated whole numbers, adding $\{-1, 0, 1\}$ to reach a divisor-determined goal, with the option for real-time player or automated bot substitutions to ensure uninterrupted gameplay excitement!
- Built with **NestJS, Node.js, TypeScript, Socket.IO, Postgres, Redis, Reactjs**

PeerTalk (WIP): [Source Code](#)

- A peer to peer video chat application. Connect with others directly without a server and limitations (server is used for signaling only)
- Built with **Echo, Golang, Nextjs, WebRTC**

Khayal: [Live](#) [Documentation](#) [Source Code](#)

- A project management web app to help businesses record their clients' information, order history, order status, and the total cost of each project.
- Built with **NestJS, Node.js, TypeScript, MongoDB, Reactjs, Material UI**

ArrayLand: [Live](#) [Source code](#)

- A website that can visualize any 2d array into 2d grid.
- Built with **Next.js, Reactjs, Material UI**

Technical Skills

Programming languages

Experienced in Golang, TypeScript, JavaScript, Familiar with C#.

Frameworks

Experienced in Nestjs, Nodejs, Expressjs, React, Nextjs, Typeorm, Mongoose, Jest, Echo, Fiber, Chi.

Databases

Experienced in PostgreSQL, MongoDB, Redis, InfluxDb, Elasticsearch, Familiar with DynamoDb

Infrastructure

Experienced In AWS CDK, EC2, S3, SQS, Lambda, ECS, EKS, Docker, Kuberenetes

Others

RabbitMQ, gRPC, OOP, SOLID, RESTful API, WebSockets, Microservice Architecture, Jira.

Education

Computer Science, *Higher Technological Institute*

2013 – 2017 | 10th Of Ramdan, Egypt