

Mohamed Magdi Mohamed

Software Engineer | Backend Developer

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Summary

Upcoming graduate offering a strong foundation in software engineering and programming principles in general, and interested in backend development and its technologies specifically.

Education

Mansoura University - Faculty of engineering (2017-2022)

Computer Engineering Department

Cumulative grade: 85%

Advanced Web Development - FWD (3 Months)

Technologies and skills learned: Node.js, Typescript, PostgreSQL, RESTful APIs, Unit-testing (Jasmine), CI-CD (CircleCi)

Technologies & Skills

Programming Language: TypeScript, JavaScript, Python, SQL, C/C++

Frameworks: Django, Flask, Node.js, Express

Technologies & Others: Nginx, PostgreSQL, CI-CD, MongoDB, Docker, GraphQL, Unit-testing, Problem Solving, Git & Github

Projects

SefproTrade [[website](#)]

SEFPRO is a trading company specializing in the textile and apparel industries in the Middle East. My team and I (4 members) worked on the project for 2.5 weeks. The backend side of the project was the responsibility of me and my colleague..

Technologies and tools: Django Rest Framework - PostgreSQL - Nginx - Docker - Hosted on DigitalOcean.

Uptime Monitoring API [[code](#)]

Uptime monitoring RESTful API server that allows authenticated users to monitor URLs, and get detailed uptime reports about their availability, average response time, and total uptime/downtime.

Technologies and tools: Node.js, Express, Typescript, MongoDB, JWT, Jasmine (Unit-testing).

StoreFront API [[code](#)]

An API that mimics the functionalities of an online store

Technologies and tools: Node.js, Express, Typescript, PostgreSQL, JWT, Jasmine (Unit-testing).

More Projects

[CI-CD](#) [CircleCi] - [Image Processing API](#) [Express] - [DashIT](#) [Flask] - [Online Library Management System](#) [Django] - [BypassMediumBlock-ChromeExtension](#) [JS]

Volunteering

ICPC Mansoura

Explained various problem-solving concepts to internal and external committees like [Dynamic programming, Binary search, ...].

Prepared more than ten problems for competitive programming contests.

Invited to a [GDSC event](#) to talk about the importance of competitive programming and problem solving to more than one hundred people.

CAT Reloaded.

Mentored the Cyber Security circle in the team by hosting biweekly sessions to talk about hard topics related to reverse engineering and solving CTFs.

Mentored the Computer Science committee to help them with various topics in the [roadmap](#) by making one-on-one sessions to talk about the topics they find hard and reviewing their tasks by giving feedback on ways to improve.

Managed The Media circle to ensure that they have a healthy environment to express their creative ideas in the form of social media posts and YouTube videos.

Achievements

Top 3 in ACT INNOVATION BATTLE - 2021

Round 2 @ Facebook Hacker Cup - 2021

ECPC, 2020

2nd in MCPC - 2020

5th in Arab Cybersecurity Wargames - 2021

5th in Arab Cybersecurity Wargames - 2020

10th in Egypt National CTF - 2020