


# Mohamed Magdy Gamal

## Back-End Developer

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 mohamedmagdy841

## PROFILE

Backend developer with a strong foundation in PHP, Laravel, and MySQL, experienced in designing and implementing scalable applications. AWS-certified, leveraging cloud services and Docker containerization to enhance deployment efficiency.

## EDUCATION

## Bachelor of Mechatronics Engineering

Mansoura University

09/2019 – 06/2024

Mansoura, Egypt

**Grade:** Excellent with Honors

**Graduation Project:** Smart Crash Detection System Using AI - [Link](#) 

## TECHNICAL SKILLS

## Programming and Scripting Languages (PHP - JavaScript - C++ - Python)

### Back-End Skills (Laravel - MVC Framework - RESTful API - MySQL)

## Front-End Skills (HTML - CSS - Bootstrap)

## Familiar with Cloud Services (AWS)

## Other (OOP - SOLID Principles - Design Patterns - Git - Docker)

## PROJECTS

## Multi Restaurant E-commerce (MVC) [🔗](#)

(Laravel, Multi-Auth, Stripe payments, MySQL, Docker)

- Developed a multi-restaurant food ordering system with user, restaurant, and admin roles.
- Implemented features like Stripe payments, a custom cart system, PDF invoicing, and dynamic email notifications.
- Fully containerized with Docker for streamlined deployment and scalability.

**Blog Website** 

(Laravel, MySQL, Docker)

- Developed a dynamic blog platform user authentication, content management, and comment functionality. Implemented Docker for containerization.

## NLP API

(Laravel, Redis, Docker, Postman)

- Developed a Laravel-based NLP service that performs text summarization, translation, sentiment analysis, and named entity recognition, utilizing Redis for caching and Docker for containerization.

## AWS Web App

(AWS Amplify, Lambda, API Gateway, DynamoDB)

- Developed a Student Management System using AWS Amplify, Lambda, API Gateway, and DynamoDB to manage student records efficiently through a web application.

## Real-Time Flight Data Streaming with Apache Kafka on AWS EC2

(Apache Kafka, AWS EC2, Restful API)

- Built a real-time flight data streaming application on AWS EC2 using Apache Kafka, integrating producers and consumers to manage and display live data from the Aviationstack API.

## API Project

## CERTIFICATES

- AWS Certified Cloud Practitioner [🔗](#)
- Introduction to Databases [🔗](#)
- EF SET English (C2 Proficient) [🔗](#)

## PARTICIPATION

**MU Robotics Hackathon 3.0** [🔗](#)

- Participated in a robotics hackathon, programming the microcontroller of a small robot car in C++ to enhance movement precision and control.

## LANGUAGES

**Arabic** — Native/Bilingual

**English** — Fluent