

# Amr Reda Mohamed

## Backend Developer | PHP & Laravel Developer

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### Professional Summary

Backend Developer specializing in PHP & Laravel, focused on building scalable SaaS platforms and RESTful APIs. Experienced in MVC architecture, real-time systems, and database optimization. Active content creator simplifying programming concepts for students. Passionate about clean code, software architecture, and AI-assisted development.

### Technical Skills

Backend:	PHP, Laravel, REST APIs, WebSockets, Authentication, Authorization
Database:	MySQL, Eloquent ORM, Database Design
Architecture:	MVC, OOP, SOLID, Design Patterns, Clean Code
Problem Solving:	C++ (Data Structures & Algorithms fundamentals)
Tools:	Git, GitHub, VS Code
Languages & Technologies:	HTML5, CSS3, C++, Python

### Selected Projects

#### SmartMenu System (SaaS) - NTI Graduation Project

**Technologies:** Laravel, React, MySQL, WebSockets, Gemini API

- Developed a multi-tenant SaaS digital menu platform, designing database architecture and core business logic.
- Integrated real-time order tracking and personalized smart menu recommendations.

#### ShopZone Platform (Multi-Vendor E-Commerce) - MEC Academy Graduation Project

**Technologies:** Laravel, Livewire, Tailwind CSS, MySQL, Spatie Permissions

- Built a multi-vendor marketplace featuring interactive dashboards and role-based access control (RBAC).
- Integrated secure payment gateway, billing processing, and background email queues.

#### Laravel E-Commerce Platform - GDG On Campus - Zagazig University Project

**Technologies:** Laravel, MySQL, Blade, Authentication, Authorization

- Developed a book e-commerce platform featuring secure authentication and authorization systems.
- Optimized database queries to improve performance, page load times, and overall responsiveness.

#### Single-Page Portfolio Landing Page

**Technologies:** HTML5, CSS3, JavaScript, Responsive Design

- Designed a responsive single-page portfolio for a freelance client.
- Optimized load speeds, section structure, and cross-device interface compatibility.

### Experience & Activities

#### Back-End Developer & Academy Member | GDG On Campus - Zagazig University

- Developed collaborative web apps and resolved backend bugs as part of the Back-End track.
- Awarded "Best Member" in the academy for dedication and code quality.

## RAID Architectures Research & Presentation | Zagazig University

- Researched and presented RAID storage architectures, focusing on performance and fault tolerance.
- Collaborated with the Interactive Cores team, securing an A+ grade.

## Terminal Commands Presentation & Simulation | Zagazig University

- Delivered practical sessions and simulations on Linux CLI and network administration.
- Designed hands-on CLI labs and training materials.

## Content Creator | "ElHandaza" YouTube Channel

- Managed "ElHandaza" educational channel, explaining C++, Git, and CS fundamentals.
- Handled scripting, video editing, and SEO to maximize audience reach.

## itida + gigs Digital Freelancing Program | eYouth & ITIDA

- Acquired freelancing, project management, and client communication skills for global tech markets.
- Set up freelance profiles and completed paid software development projects.

## Education

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### B.Sc. Student in Mathematics and Computer Science

Faculty of Science, Zagazig University, Egypt | Graduation: June 2027

## Certifications & Professional Development

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- Back-End Development Diploma via MEC Academy
- SOLID Principles Course via Udemy
- Web Applications (PHP/MySQL) & Database Fundamentals Courses via Mahara-Tech (ITI)
- McKinsey Forward Advanced Program for Leadership, Adaptability & Problem-Solving
- Object-Oriented PHP (OOP) & Version Control (Git & GitHub) Courses via M3aarf & Msaayat
- C++ Programming, Algorithms, Problem-Solving & OOP Path via ProgrammingAdvices
- "1 Million Prompters" Initiative Certificate via Dubai Future Foundation

## Languages

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**Arabic:** Native

**English:** Intermediate (Written & Spoken)