Abdelsalam Mahmoud

Backend Engineer

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Summary

Highly motivated **Backend Engineer** with a strong foundation in **Laravel** and a passion for building scalable, efficient, and secure applications. Experienced in **API development, authentication (JWT), MVC architecture , and database design and optimization.**

Currently completing a **Computer Science degree**, with hands-on experience in **production applications** and a focus on **real-time interactions and e-commerce integrations**. Strong problem-solving abilities, a deep commitment to continuous learning, and a long-term vision to excel as a **backend engineer**.

Experience

Backend Engineer, Freelance   **1/2024–Present**

- **Learning Management System (LMS)** :

Designed and optimized the **database structure** to ensure efficiency and scalability.

Contributed to the **dashboard development**, implementing features for **course and section management**.

Developed the **coupon system** to handle **course activation and discount functionalities**.

Ensured a smooth and efficient backend structure using **Laravel and MVC architecture**.

- **Vehicle License Plate Ordering System**

Analyzed and understood the **project requirements** to ensure a clear development roadmap.

Designed the **database structure** for efficient data storage and retrieval.

Implemented all **APIs** required for the system using **Laravel**, ensuring seamless functionality.

Deployed the project to a production environment, making it fully operational

Education

Bachelor's degree in computer science, Helwan University   **09/2021– 06/2025**

Department: Computer Science.(Grade: Very Good)

Projects

E-Commerce
Full-Stack website using Laravel & native Frontend template | In two weeks Dashboard that allows admin to manage categories and products and review customer's orders. User Interface that allows users to see all products and their details, add products to their cart, and favorite, order it (Check out using cash or card) and they can cancel it

Profypal Job Portal
backend website using Laravel, which allows companies to Create Job posts & Review, Accept, or Reject Applications, and allows users to apply | Team leader of this Project

Courses

Web Development using PHP,ITI.
OOP fundamentals, MSP Student Activity.

Technical Skills

- **Languages:** PHP, Laravel, SQL, HTML, CSS, Bootstrap.
- **Conceptual Knowledge**: OOP, Algorithms, Databases, Data Structures
- **Tools:** Trello, Postman, IntelliJ, Microsoft Office.

Languages

Arabic: Native-full working proficiency.

English: Highly proficient in speaking and writing.