

# AHMED ESAM HASAN

Backend Developer | PHP (Laravel) | Node.js

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## PROFESSIONAL SUMMARY

Backend Developer specializing in building scalable RESTful APIs using PHP 8, Laravel 10, and Node.js. Hands-on experience in database design, authentication and authorization (Sanctum, JWT, RBAC), automated testing with PHPUnit, and Dockerized environments. Focused on clean architecture, performance, and maintainable backend systems.

## EXPERIENCE & PROJECTS

### E-Commerce REST API (Laravel)

2024 – 2025

Backend Developer — Self-initiated Project

- Designed and implemented RESTful APIs for products, carts, orders, and users using Laravel 10.
- Created normalized MySQL schemas with foreign keys, indexes, and constraints.
- Implemented secure authentication and authorization using Laravel Sanctum.
- Wrote 28 PHPUnit test cases achieving ~70% coverage for core business logic.
- Dockerized the application with Docker Compose, reducing setup time from ~45 to ~10 minutes.
- Documented APIs using Postman collections with sample requests and responses.

### Task Manager API (Node.js / Express)

2024 – 2025

Backend Developer — Self-initiated Project

- Built RESTful APIs using Node.js and Express.js for a Kanban-style task management system.
- Modeled application data using MongoDB and Mongoose with schema validation.
- Implemented centralized error handling and request validation middleware.
- Added filtering, sorting, and pagination to improve performance and usability.

### FoodFinder Backend (Laravel)

2025

- Implemented role-based access control (RBAC) for vendors and customers.
- Improved query performance using indexing and caching techniques.

### Algorithms & Problem Solving (Python)

2023 – 2025

- Solved 80+ algorithmic problems covering data structures and recursion.
- Analyzed time and space complexity to ensure efficient solutions.

## TECHNICAL SKILLS

**Languages:** PHP 8, JavaScript (ES6), Python

**Backend:** Laravel 10, Node.js, Express.js

**Databases:** MySQL (Primary), MongoDB, PostgreSQL

**API & Auth:** REST APIs, JWT, Laravel Sanctum, RBAC

**Testing:** PHPUnit, API Testing, Postman

**DevOps:** Docker, Docker Compose, Git, Linux CLI

## EDUCATION & TRAINING

**Information Technology Institute (ITI)***Full Stack Web Development — PHP / Laravel Track*

- Intensive training in PHP 8, Laravel, OOP, MVC architecture, and backend best practices.

**Helwan University**

2022

*Bachelor of Engineering — Civil Engineering*

- Developed strong analytical and problem-solving skills applicable to backend systems.

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**PROGRAMS & CERTIFICATIONS**

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- **DEPI — React Web Developer Track:** Government-sponsored program focused on modern JavaScript, React fundamentals, and frontend-backend integration concepts.
- **EFE Egypt — Full Stack React PHP:** Practical training covering React, PHP, MySQL, RESTful APIs, and real-world full-stack application workflows.
- **Orange Digital Center (ODC) — MERN Stack:** Hands-on program focused on MongoDB, Express.js, React, and Node.js, with exposure to cloud and deployment fundamentals.
- **IEEE — Backend Development Track:** Backend-focused training covering APIs, databases, software engineering principles, and clean backend architecture.

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**ADDITIONAL INFORMATION**

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Military Status: **Exempt** | Availability: **Immediate** | Interests: API Optimization, Testing, CI/CD