

Tarrek Osama Mohamed

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Summary

Back-End Developer with 1+ year experience using PHP, Laravel, TypeScript, NestJS, MySQL, and MongoDB. Skilled in API development, JWT & Sanctum auth, Redis, and modular/event-driven/monolithic patterns. Familiar with Docker, Git, Linux (Ubuntu) for Deployment .

Work Experience

Backend Web Developer (PHP - Laravel)

AcuteBusiness | Full Time - Remote | Mar 2025 - present.

- Developed the e-commerce service within a micro services-based marketplace, integrating it with a digital wallet service to enable seamless transactions. Built admin and vendor dashboards and supported mobile app connectivity — contributing to a 40% improvement in operational efficiency.
- Built secure, role-based access control (RBAC) APIs to streamline user permissions across systems.
- Contributed to a full ERP system using modular MVC architecture and Restful APIs, enhancing scalability and code maintainability by 60%.
- Improved backend API performance and response times by 35% through query optimization and data structure improvements.

Freelance Full Stack Web Developer

Part Time - Remote | Jul 2022 - Present.

- Developed backend services for a multi-role productivity SaaS platform using NestJS and TypeScript, including payment integration and custom routing.
- Built an AI-powered call automation backend using Laravel and Angular, automating over 80% of client-customer calls through integrated AI agents.
- Created a full-featured e-commerce backend using Laravel and Blade, reducing order processing time by 50% through efficient product and order management.
- Built a restaurant management system using native PHP and JavaScript with features like table booking, inventory tracking, and sales reporting, reducing manual errors by 70%.

Internship

Full Stack Web Development using PHP - @ ITI

- Intensive Code Camp (ICC), Information Technology Institute (ITI), Nov 2024 - Apr 2025.

- 4-month intensive training on PHP, Laravel, MySQL, JavaScript, and Angular. focused on building full-stack apps, working with REST APIs, Git, Docker, and deployment best practices.

Education

Master's degree in Engineering, Port-Said University, Sep2023 - Present.

- In Geo Spatial Technologies

Bachelor's degree in Engineering, Port-Said University, Sep2017 - Jul 2022.

Technical Skills

Backend Development: PHP, Laravel, TypeScript, NestJS, MySQL, MongoDB, RESTful APIs, MVC.

Frontend Development: HTML5, CSS3, JavaScript, Angular, Tailwind, Bootstrap, jQuery.

Tools & Administration: Git, Postman, Swagger, Redis, Apache, Docker, Linux.

Principles & Patterns: Modular Architecture, MVC, Monolithic Pattern, Event-Driven Design, OOP.

Deployment & Servers: Deployed applications on AWS, cPanel, Hostinger, Namecheap, Cloudflare and managed DNS & SSL certificates.

Projects

Estore - E-commerce Marketplace @AcuteBusiness

Laravel, PHP, MySQL, REST APIs, MVC

Developed the e-commerce service in a micro services system, integrated with a digital wallet to handle seamless product browsing, cart, checkout, and payment operations.

Zorfet - Erp system @AcuteBusiness

Laravel, MySQL, REST APIs, Modular Pattern, MVC

Designed and developed backend modules for an ERP system using a modular architecture. Built secure RESTful APIs from scratch to power the mobile applications.

Lead2Done - Productivity SaaS Platform - (Freelance)

NestJS, TypeScript, MongoDB, REST APIs

Built backend features for task management and user roles, with Paddle payment integration and dynamic work flows.

ColdBot - AI-Powered Call Automation Platform - (Freelance)

Laravel, PHP, MySQL, REST APIs, Angular, TypeScript, Tailwind

Developed API-based backend for automating customer calls using AI agents, supporting real-time responses and voice work flows.

My-Business - e-commerce Web-site - MVC

Laravel , PHP , MySQL, Blade , Bootstrap

Created a full-featured online store with authentication, product catalog, and order tracking using Laravel MVC.

Sapori d'Italy - Restaurant Management System - Full Stack

PHP native , OOP, MySQL, JavaScript , Bootstrap

Built a complete restaurant system with online menu, reservations, sales reports, and admin features for staff and customers.