

Muhammed Ahmed Muhammed Allam

Back-End Developer — Tech Highlights: Laravel, REST APIs, MySQL, WebSockets, HMVC, AI Integrations

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Giza, 6th of October, Fardoos City

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Professional Summary

Back-End Developer focused on building scalable SaaS platforms and enterprise applications using Laravel. Experienced in HMVC architecture, multi-tenant systems, RESTful API development, and real-time integrations. Collaborates effectively with front-end and AI teams to deliver reliable, secure, and maintainable solutions.

Technical Skills

- Programming & Databases: PHP, JavaScript, MySQL, HTML, CSS
- Frameworks & Architecture: Laravel (HMVC, Multi-Tenancy, Streaming Responses)
- API & Real-Time: REST APIs, WebSockets (Pusher, Reverb)
- Design Patterns & Principles: Repository, Service, Traits, Interfaces, SOLID
- Testing: Unit Testing
- Tools: Git (GitHub, Bitbucket), Postman, Apidog
- AI Integration: Built control panels and APIs for AI agents; collaborated with AI teams for model integration

Professional Experience

Back-End Developer — AiTech — June 2023 – Present

- Designed and implemented database structures for multiple large-scale projects. (Tech: MySQL, Laravel)
- Developed RESTful APIs to integrate with front-end applications and AI models. (Tech: Laravel, Sanctum)
- Collaborated with AI engineers to define standardized responses between models and front-end teams. (Tech: API Contracts, JSON schemas)
- Enhanced system performance and scalability for enterprise-grade applications. (Tech: Caching, Query Optimization)

Freelance Back-End Developer — January 2023 – Present

- Delivered admin panels and database architectures for multiple clients. (Tech: Laravel, MySQL)
- Built and deployed custom Laravel-based applications with optimized APIs. (Tech: API design, Authentication)
- Worked closely with clients to gather requirements and deploy tailored solutions. (Tech: Deployment scripts, CI workflows)

Key Projects

Drosat (SaaS E-Learning Platform) — drosat.com

- Built a multi-tenant e-learning system with role-based dashboards (Admin, Teacher, Student).
 - Developed real-time analytics dashboards and data visualization.
 - Tech: Laravel (HMVC), MySQL, REST API
- <https://drosat.com>

Kuttab Online — kuttab.online

- Developed institutional management system for students, teachers, and admins.
- Implemented real-time statistical charts and advanced scheduling.
- Tech: Laravel (HMVC), REST API, MySQL

<https://kuttab.online>

AI-Agents (AI Control Panel) — ai.aitech.net.au

- Created an admin panel to manage specialized AI agents.
- Integrated video/audio analysis agents and social media monitoring agents.
- Designed scalable architecture for future agent expansions.

<https://ai.aitech.net.au>

Army Administrator System (Confidential)

- Built a secure Laravel system for managing recruit tracking, deployment, and reporting.
- Ensured data security and performance for high-volume usage.

Fruits – AI-Powered Quality Control

- Integrated computer vision models to detect fruit defects.
- Developed QR-based shipment tracking and reporting dashboards.

Butcher Management System — butcher.aitech.net.au

- Developed a complete butcher shop management platform with inventory, orders, and sales tracking.
- Implemented role-based dashboards for Admin, Staff, and Customers.
- Integrated payment handling, reporting tools, and product management for seamless operations.
- Built with Laravel (HMVC), REST API, MySQL, and optimized for scalability.

<https://butcher.aitech.net.au>

Education

Bachelor of Computer Science

CSC | Graduated 2023 | Overall Rating: Good

Languages

- Arabic (Native)
- English (Professional)