Mamdouh Mahmoud

Full Stack Developer — Backend-Focused (Laravel · PHP · MySQL)

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mamdouh19952.github.io/portfolio

PROFILE

Backend-focused Full Stack Developer with 4+ years of professional web development experience (since 2022), delivering solutions for medical and pharmaceutical brands before moving into full-stack engineering — recognized as Top Performer in Route Academy's Back-end (PHP & Laravel) diploma. Skilled in RESTful API design, authentication & authorization, database design and optimization, and OOP/MVC architecture. Owns features end-to-end — requirements, design, implementation and delivery — turning business problems into working systems. Works with a spec-driven, AI-assisted development workflow to ship faster while keeping full ownership of architecture and code quality.

TECHNICAL SKILLS

Backend :
PHP (OOP) · Laravel · MySQL · RESTful APIs · API Resources · MVC Architecture · Eloquent ORM & Relationships · SQL Query Optimization · Authentication & Authorization (Sanctum) · Middleware & Routing · Queues & Jobs · Redis / Caching · Blade Templates · Design Patterns

AI-Assisted Development :
Claude Code · Cursor · GitHub Copilot · MCP servers (GitHub, Context7, Laravel Boost) · Custom agent skills & plugins · Spec-driven development (Spec-Kit)

Frontend :
HTML5 · CSS3 · JavaScript (ES6+) · Vue.js · Vue Router · Pinia · Bootstrap · Tailwind CSS

Tools & Design :
Git & GitHub · Postman · Composer · Adobe Photoshop, Illustrator, InDesign · Microsoft PowerPoint

PROFESSIONAL EXPERIENCE

UI Developer / Full-Stack Developer (Backend-Focused) 07/2022 – Present
CAT (Creative Advertising Thinking)

- Delivered front-end/UI solutions for medical and pharmaceutical clients — responsive web pages, e-detailers, HTML email campaigns, sitemaps, and interactive interfaces (HTML5, CSS3, JavaScript, Bootstrap).
- Contribute to full-stack development alongside UI delivery: Laravel, PHP and MySQL (CRUD features, validation, REST endpoints) and Vue.js front ends.
- Bridged business stakeholders and technical implementation, translating requirements into working web solutions across the full development lifecycle.

PROJECTS

Horse Farm Listings Platform 07/2026 – 08/2026
Laravel · Vue 3 · MySQL · Spec-Kit · Claude Code · Live: elbaraa.fsegypt.com
Full-stack horse listings platform. Admin manages listings categorized as for sale, for breeding, or for stud, with multiple images and an optional video per horse, alongside a public-facing catalog for buyers. Implemented Arabic / English / Chinese localization covering both the interface and the dynamic content entered through the dashboard. Laravel API backend with a Vue 3 frontend.

Patient Follow-Up Dashboard (Clinic System) 08/2026 – 09/2026
Laravel · MySQL · Sanctum · Spec-Kit · Claude Code
API-first system for a weight-loss clinic, replacing paper patient records. Staff register patients and record measurements over time, so each patient has a full weight history rather than a single stored value. Includes patient CRUD, weight-history endpoints, search by patient name, image handling via Spatie MediaLibrary, PDF report export, and single-admin authentication with Laravel Sanctum.

Booking API 04/2026

Laravel · Sanctum · REST API · Spatie MediaLibrary · Queued Email (OTP)
Booking system API for managing events and reservations. Uses Form Requests for validation, Eager Loading for optimized database queries, and seat locking to prevent double booking and ensure data consistency under concurrent requests.

E-commerce Platform (Laravel) 04/2026

Laravel · Blade · Jetstream · Sanctum · API Resources
Full-featured e-commerce web application built with Laravel, featuring product management, shopping cart, order processing, wishlist, and an admin dashboard.

Dynamic Website Generator 03/2026

Generator that transforms user input from forms into fully structured websites, focusing on automation, usability, and a scalable architecture for rapid website creation.

E-commerce Web App (Vue.js) 06/2025 – 07/2025

Responsive online store with cart, checkout, API integration, and user authentication. Built with Vue.js, Vue Router, and Pinia, featuring product listing, filters, a dynamic cart, and a fully responsive UI using Tailwind CSS.

EDUCATION & TRAINING

Back-end (PHP & Laravel) Diploma 10/2025 – 04/2026

Route Academy
recognized as Top Performer (April 2026)

Frontend Development (Vue.js) Diploma 02/2025 – 07/2025

Route Academy
recognized for Outstanding Performance (July 2025)

AI-Assisted Engineering — Professional Training 06/2026 – 09/2026

Claude Code & Coding Agents (Ed Donner) · Code Smarter with AI (Eng. Usama Elgendy) · Claude AI Masterclass
applied in recent projects using Spec-Kit, MCP servers, and custom agent skills.

B.Sc. in Electronics and Communications Engineering 2018

Faculty of Electronics and Communications Engineering, Menouf

BUSINESS & SOFT SKILLS

- Requirements gathering & business analysis — converting business needs into technical solutions
- Stakeholder communication & management
- Leadership & Team Management
- Adapts quickly to new business domains and works well under pressure
- Project scoping & estimation
- Strong understanding of business processes and operational workflows
- Sales & Negotiation