MAHMOUD MAHMOUD

Full Stack Software Engineer | PHP / Laravel Specialist | Technical Team Lead

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PROFESSIONAL PROFILE

Full Stack Software Engineer and hands-on Technical Team Lead with **4+ years of professional experience** developing, deploying, maintaining, and optimizing web applications and business platforms. Backend-first expertise in PHP/Laravel, REST APIs, MySQL/PostgreSQL, Redis, queues, and third-party services, alongside Vue.js, Inertia, Livewire, Filament, TypeScript, and Tailwind CSS. Responsible for production delivery, database performance, Docker/Linux infrastructure, code reviews, and mentoring a team of three developers. Built systems spanning e-commerce, education, social commerce, parking operations, logistics, and content management.

PROFESSIONAL EXPERIENCE

QIT Company | Full Stack Laravel Developer / Technical Team Lead Aug 2022 – Present

- Own backend and full-stack development of production Laravel applications, APIs, admin dashboards, business workflows, and web/mobile integrations.
- Lead and mentor three developers; support architectural decisions, implementation planning, pull-request reviews, and quality standards.
- Architect relational data models and optimize MySQL/PostgreSQL queries, indexes, caching, and asynchronous workloads with Redis and Laravel queues.
- Integrate payments, invoicing, CRM, notifications, messaging, third-party APIs, webhooks, and AI-enabled workflows.
- Build interfaces using Vue.js, Livewire, Filament, Alpine.js, Inertia.js, JavaScript/TypeScript, and Tailwind CSS.
- Manage deployments, containerized services, Linux servers, production incidents, application performance, and technical documentation.

TECHNICAL SKILLS

Backend: PHP, Laravel 8–13, RESTful APIs, Eloquent, authentication/authorization, RBAC, Laravel queues/jobs/events, Horizon, Octane, scheduled tasks, webhooks, PHPUnit/Pest.

Frontend: Vue.js, TypeScript, JavaScript, Inertia.js, Livewire, Filament, Alpine.js, Blade, Tailwind CSS, Bootstrap, HTML/CSS, Three.js, GSAP.

Data and Search: PostgreSQL, MySQL, Redis, Meilisearch, SQL design, indexing, N+1 remediation, query plans, normalization, transactions, caching.

Infrastructure: Docker, Docker Compose, Linux/Ubuntu, Laravel Sail, Forge, Nginx, Apache, Caddy, Cloudflare, cPanel, Git, deployment and CI/CD workflows.

Engineering: OOP, SOLID, MVC, design patterns, code review, automated testing, debugging, performance tuning, mentoring, architectural decisions.

Integrations: Stripe, Tabby, Apple Pay, ZainCash, Daftra, Zoho, Twilio, Firebase FCM, Pusher/Reverb, AI/LLM APIs.

Additional: Python coursework/familiarity, Java, C#/.NET familiarity, RabbitMQ exposure; AI-assisted coding agents and MCP workflows.

MAJOR SYSTEMS AND PRODUCT WORK

Ibtipark | Enterprise Parking Management — Built Laravel backend features, dashboards, REST APIs, dynamic access controls, mobile workflows, and AI license-plate integration. Identified N+1/inefficient data access; improved a critical API endpoint by approximately **99.7%**, from seconds to milliseconds.

FET Academy | E-Commerce and LMS — Developed course sales, content, assessments, certificates, trainer/admin workflows, payments, invoicing, and mobile APIs. Helped migrate a legacy business platform with data extraction, normalization, and production continuity.

Paws | Multi-Locale B2C Commerce — Built product, order, inventory, supplier, commission, transaction, and service-provider modules; APIs, chat, notifications, blog features, AI-powered search/chatbot, recommendations, and pet food calculator.

Wajiz | Social-Commerce Order Management — Founder and full-stack developer of merchant-focused platform for orders, customers, delivery status, and operations across WhatsApp, Instagram, and Facebook sales channels. Led product, backend, and UI/UX decisions; Laravel, PostgreSQL, Redis, Meilisearch, Docker.

Real-Time Poker Platform — Developed poker application features and real-time interactions using Laravel, Livewire, PostgreSQL, Reverb, and Telegram integration.

ADDITIONAL CLIENT AND WEBSITE PROJECTS

QIT Company Website | Multilingual Corporate Platform — Laravel company site with RTL/LTR localization, SEO-focused service pages, showcases, testimonials, responsive UI, and lead-generation workflows.

Ishtar | Localized Web Platform — Laravel, Livewire, Alpine.js, Tailwind CSS, Vite, MySQL; multilingual content, dynamic UI, dashboard features, and responsive presentation.

Al-Austora | Scientific Bureau Website — Responsive company showcase for pharmaceutical, healthcare, and related products; Laravel, Livewire, Alpine.js, Tailwind CSS, MySQL, SEO and localization.

Apinstitute | Education Website — Academic programs, faculty, admissions, certificate samples, SEO and dynamic educational-content administration using Laravel and the TALL stack.

EB-JAS | Certification and Accreditation — Laravel-based certification services, accreditation information, responsive content, and certificate authenticity verification.

Sahap Cars Rental | Rental Website — Vehicle listings, booking-oriented journeys, multilingual informational pages, and responsive Laravel/MySQL web functionality.

Ideal Express | Logistics Website — Company and service platform covering freight forwarding, customs, and delivery services with responsive information architecture.

Smart Expert Real Estates | Property Gallery — Laravel and Vue.js property listings, company pages, responsive frontend, and management dashboard features.

Geekdom | University Graduation Project — Developer-resource web application using Laravel, Vue.js, Meilisearch, Ace Editor, CKEditor, Guzzle, Bootstrap, and external APIs.

Other Early Projects — Merchandise showcase and online MCQ/quiz applications, including Laravel and Vue.js implementations.

OPEN SOURCE, INDEPENDENT ENGINEERING AND PORTFOLIO

Snowflake for Laravel — Open-source Laravel package for distributed ID generation, Redis Lua atomic sequencing, model casts, validation, schema helpers, facades, and CLI utilities.

Vaultsort — Local-first Bitwarden/Vaultwarden export organization tool focused on usable, privacy-conscious data editing.

Larainit — Developer CLI for Dockerized Laravel project initialization and common development workflows.

MTR Portfolio | mahmoudtr.com — Production-oriented Laravel, Vue/TypeScript, Inertia, Docker, Octane, and Caddy application with interactive 3D design, content CMS, portfolio and publishing workflows, performance, accessibility, and SEO.

STS Smart Transportation — Business site work focused on frontend delivery, responsive UX, accessibility, performance, SEO, and structured data.

EDUCATION AND CERTIFICATIONS

B.Sc. Software Engineering and Information Systems — Al-Baath University (now Homs University), 2017–2022; final average **82.771/100**, graduated with distinction.

Master of Web Science — Syrian Virtual University; ongoing (as previously reported).

Python for Everybody Specialization — Coursera, September 2021. **English C1** — Busuu, June 2025. **ICDL** — additional certification.

LANGUAGES AND PUBLICATIONS

Languages: Arabic (native), English (advanced/C1), French (basic/A1).

Technical writing: Published engineering articles on Laravel production performance and SQL optimization, automated Laravel deployment to cPanel, session storage, migrations, and polymorphic relationships. Public posts and articles are linked from LinkedIn and the personal portfolio.