

Mohammad Al-Hamod

Senior Full-Stack Engineer | Tech Lead | AI-Native Development

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Professional Summary

Senior Full-Stack Engineer with **6+ years** of hands-on experience taking products from requirement to production: architecture, code, deployment, and ongoing ownership. Core stack is **Laravel/PHP** and **React/TypeScript** on **MySQL/PostgreSQL**, with **Next.js** and **Node.js (Express)** services, Redis, Docker, Nginx, and AWS.

AI-native in daily engineering: I use **Claude Code** and **GitHub Copilot** as agentic coding tools across the full cycle (codebase inspection, planning, implementation, testing, debugging, and refactoring), driven by structured, phased prompts with explicit scope, protected API and database contracts, and acceptance criteria, so AI-generated code stays reviewable, secure, and maintainable. I build LLM features into products with **OpenAI APIs**, including an AI receptionist for a multi-tenant WhatsApp SaaS.

Experienced mentor and trainer: delivered a 160-hour full-stack web developer program and coach developers on architecture, API design, and code quality.

Experience

SENIOR FULL-STACK ENGINEER | CLINGROUP | BEIRUT, LEBANON (REMOTE) | JUN 2021 – PRESENT

- Own end-to-end technical delivery of business-critical systems, from requirements and architecture through implementation, deployment, and maintenance.
- Architect **Laravel** backends with stateless RESTful APIs serving multiple integrated platforms, and build **React/TypeScript** front ends on top of them.
- Designed scalable architecture using **Redis** caching and queue-based asynchronous processing (jobs, events, notifications).
- Scaled **MySQL** with read replicas, indexing, and query optimization, improving database/query performance by ~30%.
- Lead third-party integrations, including **OpenAI APIs**, Odoo, and external platform APIs.
- Set up infrastructure patterns: **Docker** environments, Nginx, CDN asset delivery, load-balanced traffic, AWS, and CI/CD pipelines.
- Use **AI coding agents** (Claude Code, GitHub Copilot) for rapid prototyping, implementation, debugging, and refactoring, with every generated change reviewed against security and maintainability standards.
- Perform code reviews and enforce standards for security, database design, and frontend-backend integration; collaborate remotely with Angular front-end teams and stakeholders.
- Refactored legacy systems, improving maintainability and stability.

FULL-STACK TRAINER | NEW HORIZONS – ANJAZ PROGRAM | AUG 2025 – DEC 2025

- Delivered a ~160-hour full-stack web developer program: HTML, CSS, JavaScript, TypeScript, Angular, PHP, Laravel, REST APIs, MySQL, Python/Django, and Git.
- Mentored developers on backend architecture, API design, and real-world engineering practices.

PROGRAMMING & ADVANCED EXCEL TRAINER | AMERICAN LANGUAGE INSTITUTE | FEB 2024 – PRESENT

- Deliver programming courses focused on practical problem solving, plus Advanced Excel, data analysis, and dashboards.

INFORMATION MANAGEMENT COORDINATOR | SYRIAN ARAB RED CRESCENT (SARC) | SEP 2020 – AUG 2025

- Designed data management systems, reporting pipelines, and automated dashboards (DHIS2, CommCare, WFP-related data).
- Reduced data inconsistencies by ~25% through validation and data-integrity workflows.

- Previously Reporter (Feb 2019 – Sep 2020).

Selected Projects

DAFATIRI – MULTI-TENANT WHATSAPP BUSINESS SAAS | LARAVEL, DOCKER, OPENAI APIS

- Multi-tenant platform where each business connects its own Meta WhatsApp number; covers CRM, appointments, payments, and automated workflows.
- **AI-powered receptionist** handling booking, rescheduling, reminders, customer support, and lead follow-ups.

DNC E-COMMERCE STOREFRONT | NEXT.JS, PRISMA, POSTGRESQL, REDIS, MINIO, DOCKER, NGINX

- Trilingual storefront (Arabic RTL, English, French) at dnc.dnci.net; deployed on Ubuntu with Docker and Nginx.

E-SURVEY PLATFORM | REACT SPA, NODE.JS/EXPRESS, POSTGRESQL, DOCKER COMPOSE

- Survey builder, public survey links, and results analytics, with a React admin app and Express REST API behind Nginx.

VOTIBA – OUTSOURCING & VOLUNTEER HUB | LARAVEL, STRIPE, PAYPAL, OAUTH

- Role-based platform (Admin, Client, Freelancer, Volunteer) at votiba.dnci.net with Google/LinkedIn sign-in and webhook-driven Stripe/PayPal payments.

OTHER PRODUCTION WORK

- Healthcare & AI medical content: hakim.devcraftweb.net, ai-medical-content.devcraftweb.net
- Digital products platform: tayyib.devcraftweb.net | Membership platform (Laravel 12): naam.dnci.net
- Organization & research platforms: mecrahub.org, hopemcf.org, aywah.dnci.net

Technical Skills

AI & Agentic Engineering: Claude Code, GitHub Copilot, OpenAI APIs, LLM feature integration, structured/phased prompting, review and validation of AI-generated code

Backend: PHP, Laravel (Sanctum, Fortify, Socialite, queues, events), Node.js/Express, Python/Django, REST API design, multi-tenancy, webhooks, Stripe/PayPal

Frontend: React, Next.js, TypeScript, JavaScript, Angular, Tailwind CSS, Bootstrap, Blade/Livewire, Vite, Arabic RTL and multilingual UI

Data: MySQL, PostgreSQL, Prisma, Redis; schema design, indexing, query optimization, transactions, read replicas

DevOps: Docker, Docker Compose, Nginx, AWS, Linux/Ubuntu, CI/CD, Git/GitHub, MinIO

Leadership: Architecture and technical delivery, code reviews, mentoring and training, requirements-to-delivery planning

Education

B.Sc. Informatics Engineering – Software Engineering, University of Aleppo, Syria | 2019

Languages

Arabic (native) | English (professional working proficiency)