

Omar Wael Derbala

Senior Software Engineer

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SUMMARY

Senior software engineer with four years building Laravel and PostgreSQL systems at scale. Core engineer on a multi-tenant ERP/CRM used by 6,000+ employees, delivering across seven business domains and both the backend and Next.js front end. Independently designed and shipped a published Shopify delivery app and a multi-currency booking platform. Top Rated on Upwork with 100% Job Success.

EXPERIENCE

The Address Investments — Senior Software Engineer

Jan 2025 – Present

Full-time, onsite · Cairo, Egypt

Laravel 12 · PHP 8.4 · PostgreSQL · Redis · Octane · Next.js 16 · React 19 · TypeScript

- Core engineer on the multi-tenant ERP/CRM used by **6,000+ employees** across two business units.
- Own the Leads, Deals, Units, HR, Learning, Supply Chain and Reservations domains.
- Built the lead rotation and assignment engine with full audit history, and Meta Ads lead capture into the CRM.
- Built **contract OCR** that verifies extracted deal data across several providers before it reaches finance.
- Built HR document generation that reads salary from Odoo at render time and never stores it.
- Integrated **Odoo v19** two-way sync for clients and reservations over REST and webhooks.
- Added Typesense search and Reverb real-time updates. Hardened sign-in with OAuth2, WebAuthn and TOTP.
- Cut response times with Octane, Redis caching and PostgreSQL query tuning.
- Shipped collaborative editing and in-app video on the Next.js front end.

Giantrex — Partner, Software Engineering

Nov 2025 – Present

Games and VR studio expanding into software products · Remote

Laravel 12 · PostgreSQL · Redis · Octane/RoadRunner · Next.js 16 · React 19 · React Router 7 · Flutter · Stripe

- Own backend architecture for the studio's software products.
- **Akaza Travel** — principal engineer on a booking platform for hotels, tours and airport transfers.
- Integrated **Hotelbeds** for hotel search and booking, capturing rates and cancellation terms at the moment of booking so a later supplier change cannot alter a confirmed reservation.
- Built the payments layer: Stripe and PayPal behind one gateway interface, with exact integer arithmetic on every multi-currency amount.
- Shipped promo codes, PDF vouchers, two-factor sign-in, and English, German and French localisation.
- **Rahwan Shipping** — a published Shopify app for last-mile delivery in Egypt. Live checkout rates, automated fulfillment, and delivery tracking written back to the merchant's order.
- Sole backend engineer on its Laravel platform, covering courier dispatch, wallets and settlements, with a Next.js admin console and a Flutter courier app.

Freelance Software Engineer — Upwork

2022 – Present

Top Rated · 100% Job Success · 570+ hours · Remote

AuraKore — multi-tenant ERP/CRM SaaS

Feb 2026 – Present

- Built a multi-tenant SaaS platform with **per-tenant schema isolation** and role-based access at both tenant and platform level.
- Added permission caching, brute-force lockout on sign-in, and full audit trails.
- Set up CI/CD on **GCP Cloud Build** across three environments, behind an Apigee gateway.

TSR Ventures & Solutions — Welhof, Netherlands

Sep 2024 – Mar 2025

- Backend for a Dutch e-commerce platform selling refurbished home appliances.
- Built product and category management and warehouse stock tracking in PHP, Yii and MySQL.

Leadmedia — Canada

2022 – 2024

- Built custom websites and web applications for Canadian real-estate brokers.

Full-time, onsite · Cairo, Egypt

Laravel · PHP · MySQL · Node.js · Next.js · Linux

- **Egyptian Customs Authority** — microservices backend and registration APIs for brokers, agents and stakeholders, behind multi-factor authentication.
- **National Archives of Egypt** — admin platform for the national digital archive, with role-based access and a custom permission model.
- **National Silos of Egypt** — grain logistics platform on IBM Cloud Paks, with Node.js services reading weighbridge scales at silos nationwide.
- **Exponile** — e-commerce marketplace. Order processing, authentication, product search and filtering.

TECHNICAL SKILLS

Languages	PHP, JavaScript, TypeScript, SQL
Backend	Laravel, Yii, Node.js, REST APIs, GraphQL, Laravel Octane, Passport / OAuth2, Livewire
Frontend	React, Next.js, Tailwind CSS, Flutter
Data & Search	PostgreSQL, MySQL, Redis, Typesense, Laravel Scout, Eloquent and query optimisation
Architecture	Domain-Driven Design, Clean Architecture, Multi-tenancy, Microservices, Event-driven design
DevOps	Docker, Docker Compose, GitHub Actions, Nginx, Linux, GCP Cloud Build, Laravel Forge, Render
Integrations	Shopify (Admin GraphQL, Carrier Service), Stripe, PayPal, Hotelbeds, Odoo, Meta Ads, WhatsApp Cloud API, Firebase, Twilio
Quality	PHPUnit, Pest, Vitest, Sentry, Laravel Telescope

EDUCATION & LANGUAGES

B.Sc. Computer Science — Dual Degree

Arab Open University (Egypt) · The Open University (UK)
Second-class honours · Sep 2018 – Aug 2022

Languages

Arabic — native
English — fluent
German — beginner