

KARIM ALAA

Senior Backend Engineer | Laravel Specialist

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PROFESSIONAL SUMMARY

Highly analytical **Senior Backend Developer** with 7+ years of experience specializing in the **PHP/Laravel** ecosystem. Proven track record of architecting scalable web solutions, managing complex databases (+100 tables), and leading cross-functional teams. Expert in integrating VoIP systems (FreePBX), payment gateways, and RESTful APIs to deliver high-performance, user-centric applications.

TECHNICAL SKILLS

- **Core Languages:** PHP (Expert), MySQL, SQL Optimization.
 - **Frameworks:** Laravel (Expert).
 - **Specialized Systems:** VoIP (GoAutoDial, FreePBX), Payment Gateway Integration.
 - **Infrastructure:** Red Hat Linux (Admin 1), RESTful API Development.
 - **Tools:** Git, Trello, ERP/CRM Architecture.
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FEATURED PROJECTS

ACEMSA (Ceuta Potable Water - **ChaarApp - **Ceuta (Morocco - Spain)**) * Developed a comprehensive web solution for real-time monitoring and management of the Ceuta water network.**

- Developed a custom API integration to ingest real-time smart meter data, enabling deep analysis of historical and live consumption patterns.
 - Engineered an intelligent leak detection algorithm and automated alarm system to identify anomalies and reduce resource waste.
 - Design a map for ceuta city that contains the zones in ceuta
 - Smart Alerts Connected to **Telegram** for Viewing The **Leaks** in certain places
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EduKid Academy(LMS - Perfect Solution - UAE & Saudi Arabia) is a robust EdTech platform featuring a Laravel-based RESTful API backend and a cross-platform mobile application for students.

- Sales Panel For Manage the app clients
 - Admin Panel For manage the all app every single section is managed by the backend
 - Web & Mobile App For the kid to view his progress, his lessons, his homeworks
 - Teacher Panel For the Teachers to Monitor the progress of the students
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ERP System (ERP - Trend Cosmo - Egypt - Alexandria) is a very powerful erp system For managing a cosmetics stocks warehouse.

- Accounting Tree , Public Statement , Income Statement
 - Clients & Suppliers Management accounts , purchase & sales invoices
 - Custom Price List Management (client will belong to one of that price list based on how he take the goods for us)
 - Sales (returns also) , Purchase (returns also) ,Expiry , Money Tracking Reports
 - Website Integration give us reports and orders of the clients
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Trend Cosmo Website (Trend Cosmo - Egypt - Alexandria) trendcosmo.com

- Home page
 - About Page
 - Products
 - Login & Registration
 - User Profile For Orders
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Rovle (Coffee Marketplace - ChaaaraApp - Spain) * Developed a custom recurring subscription engine and integrated Stripe and Google Pay, managing complex financial flows.

- Android & IOS App (Client ,Trophies Leveling System)
 - Admin panel (react , laravel) For Admin , Rosters(Coffee Farm Owners) To add their products
 - Stripe Payment Gateway, Correos (Mail Delivery Service in Spain)
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Nomad (Financial Reporting & B - ChaaraApp - Spain) * Architected a platform for automated financial reporting and big data management.

- Implemented real-time data processing to enhance strategic analysis and corporate management controls.
 - We Designed A Custom Graphics and Analyse system For making the user able to create it own bars or line graphics he want (balance , inputs , outputs) with from & to date option
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Henna App (Wedding Marketplace - ChaaraApp - Spain) * Built the core architecture for a multi-platform marketplace, integrating Firebase for real-time synchronization between vendors and users.

- Android & IOS App (Client profile , Market place)
 - Admin panel (React , Laravel) For Admin ,Service Providers To add their products
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Cool Store (Multi-tenant Marketplace - ChaaraApp - Spain) * Designed a centralized, multi-company marketplace, enabling diverse businesses to manage sales within a scalable digital ecosystem.

PROFESSIONAL EXPERIENCE

ChaaraApp (Spain) | Backend Engineer January 2023 – Present

- **System Architecture:** Spearheaded the backend development for **9+ major international projects**, ensuring high availability and seamless data flow.
- **Performance Tuning:** Optimized SQL queries and database structures, resulting in a measurable increase in application response times.
- **International Collaboration:** Collaborated with Spanish stakeholders to deliver tailored solutions while maintaining strict confidentiality and security standards.

Perfect Solution Outsourcing.co | Full Stack Web Developer July 2017 – Present

- **Team Leadership:** Led the backend development team and fostered a collaborative environment between Design, Frontend, and QA departments.
 - **Database Management:** Designed and managed massive relational databases with **100+ tables**, ensuring data integrity and long-term scalability.
 - **API Engineering:** Developed and maintained robust API endpoints for iOS and Android teams, facilitating seamless cross-platform functionality.
 - **Project Delivery:** Consistently met tight deadlines for complex enterprise projects, managing client requirements from discovery to deployment.
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EDUCATION & CERTIFICATIONS

- **ITI (Information Technology Institute):** Full Stack Web Development (PHP Track).
- **Alexandria University:** Bachelor's Degree in Accounting.
- **Certifications:** Red Hat Admin 1, VoIP Specialist, and advanced technical milestones via Sololearn.