

Mohamed Khattab

Software Engineer

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EXPERIENCE

- Cartona** Cairo, EG
Feb. 2025 – Present
- *Full-time Software Engineer*
 - Refactored retailer and supplier modules, reducing production incidents by **35%** and improving platform stability.
 - Optimized SQL queries, Redis caching, and integrating OpenSearch, improving response times by **50%** and supporting higher transaction loads.
 - Collaborated with product, QA, and operations teams which sped up workflows and increased NPS by **20%**.

Speakol Cairo, EG
Aug. 2023 – Jan. 2025

 - *Full-time Software Engineer*
 - Led the design and rollout of an AI-powered campaign creation engine, integrating OpenAI APIs with high-throughput asynchronous pipelines enabling automated campaign generation.
 - Refactored the payment gateway, reducing transaction errors by **25%**, improving reliability and user experience.
 - Built integrations with external ad partners, data and analytics services, contributing to a **30%** uplift in ad revenue and smoother data synchronization.
 - Enhanced the AdX-Change platform, improving targeting precision and recommendation accuracy, which boosted campaign click-through rates by **12%**
 - **Technologies:** Laravel, Vue.js, Golang, Redis, PostgreSQL, AWS services

Enozom Alexandria, EG
June. 2023 – July. 2023

 - *Software Engineer Intern*
 - Collaborated on the development of an interactive web and gaming project using JavaScript frameworks.
 - Gained hands-on experience in real-time communication ,teamwork, and production-grade development practices.

EDUCATION

- Faculty of Engineering, Alexandria University** Alexandria, EG
Bachelor of Engineering (B.E.) in Electronics and Communication Engineering 2019 - 2024

PROJECTS

- **Alto B2B Platform for Plastic & Packaging Industry:** Jul.2025 – OCT.2025
 - Refactored and re-architected Laravel Filament application to achieve production-grade stability and scalability for a high-volume B2B platform.
 - Implemented key business flows including catalog, RFQs, orders, deliveries, invoices, and payments, cutting down paperwork by **80%**.
 - Redesigned the catalog schema and transaction modules to align with updated business logic.
 - Integrated Microsoft Clarity and PostHog for analytics and user behavior tracking, refining supplier and customer interfaces for smoother workflows.
 - **Technologies:** Laravel Filament, MySQL, Docker.
- **Infantry House ERP System:** Jan.2025 – Jul.2025
 - Designed and implemented a custom ERP system for military house operations, automating workflows, tracking work lifecycle, preventing losses, and increasing revenue **5x**.
 - Developed key modules including inventory management, invoicing, HR/payroll, cashier system, and RBAC.
 - Deployed LAN-only operations with domain-based roles, integrated with Windows Server and Active Directory.
 - **Tech Stack:** Laravel, MySQL, Windows Server.

PROGRAMMING SKILLS

- **Languages:** PHP, GO, JavaScript, SQL
- **Technologies:** Laravel, Vue.js, Node.js, AWS, Docker