

# Mohamed Khattab

Software Engineer

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## EXPERIENCE

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- **Cartona** Cairo, EG  
*Full-time Software Engineer* Feb.2025 – Present
  - 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  
*Full-time Software Engineer* Aug.2023 – Jan.2025
  - 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  
*Software Engineer Intern* June.2023 – July.2023
  - 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

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

## PROJECTS

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- **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

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