

Ahmed Ashraf Elgammal

Senior Backend Engineer

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PROFESSIONAL SUMMARY

Backend Engineer with 8+ years building and scaling web applications across PHP/Laravel and Node.js/NestJS. Hands-on experience designing modular monoliths, applying Domain-Driven Design, and optimizing high-traffic systems. At Foodics, contributed to the rebuild of a white-label ordering platform; previously led backend delivery across education, e-commerce, and SaaS products. Strong focus on clean architecture, testable code, and mentoring engineers. Creator of a programming education YouTube channel teaching backend concepts to Arabic-speaking developers.

TECHNICAL SKILLS

Languages & Frameworks: PHP, Laravel, JavaScript/TypeScript, Node.js, NestJS, SQL

Architecture & Design: Domain-Driven Design (DDD), Clean Architecture, Modular Monolith, Microservices, SOLID, Design Patterns, RESTful & JSON:API design

Data & Infrastructure: MySQL, PostgreSQL, RabbitMQ, Docker, CI/CD, AWS, Multi-tenancy, Performance Optimization

Practices: Testing & TDD, Code Reviews, Agile/Scrum, Technical Mentoring, System Design

Also familiar with: C#/.NET, Kubernetes

WORK EXPERIENCE

Senior Software Engineer

Nov 2024 – Present

Foodics | Cairo, Egypt

- Delivered the majority of new features for a revamped white-label ordering application, designing it as a clean, modular monolith for maintainability and faster onboarding of new modules.
- Raised test coverage on legacy code from ~40% to ~75% through characterization tests, while enforcing ~80% coverage on new modules — building a safety net that reduced regressions and enabled confident refactoring.
- Optimized key database queries on the online ordering system, cutting response time on a critical endpoint from ~4 minutes to under 500ms and stabilizing performance under load.
- Re-architected the data-export service from a synchronous, timeout-prone flow into asynchronous background jobs using cursor-based pagination (each job passing the last processed ID to the next), following SOLID principles to make it extensible to any entity (Orders, Customers, and more) and capable of reliably exporting 1M+ records per business.
- Applied Domain-Driven Design with a framework-agnostic core to keep business logic decoupled from infrastructure.
- Mentored junior engineers through weekly knowledge-sharing sessions, improving team adoption of testing and modern tooling.

Squad Lead

Dec 2022 – Nov 2024

Our Education for Investment | Cairo, Egypt

- Led a squad of 7 developers, owning end-to-end delivery: requirement analysis, database design, API development, and integration of multiple internal and third-party services.
- Planned and prioritized the team backlog, leading the delivery of 3 education products end-to-end — a distance-learning platform, a professional-courses management system, and an aptitude-test (Qudrat) platform — across mobile and Vue.js web clients.
- Established peer-to-peer code reviews and introduced Psalm as a static analyzer, catching defects earlier and significantly reducing production bugs.

- Led incremental refactoring of the legacy codebase and integrated Zoom for virtual sessions, improving maintainability while extending product capabilities.
- Drove continuous skill growth through in-house and external training, raising the team's adoption of modern tools and practices.

Software Engineer

Mar 2021 – Nov 2022

Our Education for Investment | Cairo, Egypt

- Built the automated student-calling system from the ground up, using real-time communication to summon students to class on demand and eliminating the manual waiting queues previously required.
- Contributed to a comprehensive school management system (admissions, canteen, bus payments, invoicing, classroom sessions, homework, and quizzes) built on a microservices architecture for modularity and consistency.
- Analyzed requirements, designed databases, and built APIs serving both mobile and Vue.js web applications, then monitored and resolved defects to keep performance stable.
- Worked within a Scrum process with short feedback cycles, enabling fast iteration and early course-correction.

Senior PHP Developer (Contract)

Dec 2020 – Feb 2021

Mercado Egypt | Cairo, Egypt

- Mapped the operational flow of the Zlaundry on-demand laundry app and designed the admin-interface database schema.
- Produced ERDs and UML diagrams to document the analysis and data design.
- Built an e-commerce control panel in Laravel and developed APIs for the mobile application.

Senior PHP Developer

Jul 2020 – Nov 2020

Smart Vibes | Cairo, Egypt

- Led implementation of a multi-tenant Restaurant Ordering Management System, including the primary and tenant control panels.
- Developed APIs for the web front-end and mobile application.
- Managed team tasks on Jira to streamline workflow and ensure timely delivery.

PHP Web Developer → Senior PHP Web Developer

Apr 2015 – Jun 2020

Diva-lab | Cairo, Egypt

- Core contributor to the in-house CMS (Diva-CMS), adopted by 20+ clients, and led API development for accompanying mobile apps.
- Led the development lifecycle of 10+ software products from inception to delivery.
- Managed client accounts, improving satisfaction and retention by an estimated 25–30%.

EDUCATION

B.Sc. in Computer Science

Graduated 2020

Ain Shams University — Cairo, Egypt

CERTIFICATIONS & LANGUAGES

Certifications: PMP, Professional Scrum Master I (PSM I)

Languages: Arabic (Native), English (Professional Working Proficiency)