

Ahmed Osama

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EDUCATION

Bachelor's

Akhbar El Yom Academy

Present | Cairo, Egypt

SKILLS

Programming Languages: TypeScript (3 Years), PHP (5 Years)

General Skills: Spryker (2 Years), NuxtJS (6 months), MySQL (5 Years), Laravel (5 Years), NestJS (3 Years), VueJS (6 months), NodeJS (4 Years), Agile (4 Years)

Non-Technical Skills: Agile

LANGUAGES

English (Fluent), Arabic (Native)

PROFESSIONAL SUMMARY

Senior backend engineer with 5+ years in PHP/Symfony/Laravel and NodeJS systems, experienced in commerce, e-commerce portals (Zeiss, Spryker), and POS/food-tech integrations. Strong focus on API design, technical documentation, and mentoring mixed on-site / remote teams.

WORK EXPERIENCE

Senior Backend Engineer at Ventrade

Jul 2023 – Present

- Co-designed and implemented a microservices-based backend architecture, collaborating closely with web and mobile teams to deliver production-ready systems.
- Participated heavily in initial infrastructure setup, followed by ongoing maintenance, scaling, and reliability improvements.
- Designed and built a standalone media microservice responsible for uploading, streaming, and managing images and videos; optimized media delivery pipelines for performance and scalability; integrated storage with MongoDB for metadata and PostgreSQL for relational business data.
- Built the main customer-facing backend service (Client Blue API), acting as the entry point for customers, cameras, and core client workflows; took ownership of service architecture, infrastructure implementation, long-term maintenance and refactoring.
- Implemented performance optimizations including query tuning in PostgreSQL, efficient indexing strategies, reduced payload sizes, caching hot paths, and improved response times and stability under higher traffic loads.
- Created an internal orchestration service (Cron Service) to manage cron jobs, background queues, and scheduled workflows; enabled full control through an admin dashboard for job management, monitoring, and safe retries.
- Employed databases including MongoDB (document-based storage, event & media metadata) and PostgreSQL (core transactional data).
- Applied microservice architecture principles with clear service boundaries and API-driven communication.
- Improved performance and reliability through database query optimization, proper indexing, background job offloading, queue-based processing, and reduced synchronous bottlenecks.
- Acted as a backend technical bridge between product, web, and mobile teams, translating business requirements into scalable backend designs and delivering multiple services from scratch to production.

Senior Backend Engineer at Foodics

Jan 2024 – Jun 2024

- Engineered and maintained the Foodics POS portal's compliance layer, integrating ZATCA Phase 2 requirements for E-invoicing, ensuring 100% adherence to Saudi tax regulations through automated XML validation and secure data transmission.
- Developed and optimized core features for the Merchant Management System (MMS) portal, streamlining administrative workflows and enhancing the scalability of merchant onboarding processes.
- Applied Object-Oriented Programming (OOP) principles to refactor legacy modules within the MMS portal, improving code maintainability and reducing technical debt for the engineering team.

Senior Backend Engineer at Lapple Systems

Jul 2023 – Jan 2024

- Supported Spryker e-commerce platform and mentored new developers.
- Mentored colleagues in Spryker.
- Managed releases and upgrades.
- Maintained Spryker-based e-commerce solutions.

Senior Software Engineer at Otherboard

Jan 2023 – Jun 2023

- Delivered VueJS-based analytics tooling for multi-channel content insights.
- Built analytics dashboard for content creators.
- Integrated social platform APIs.

Mid-Senior Software Engineer at Spryker Systems

Mar 2021 – Dec 2022

- Produced customer demonstrations and technical prototypes at Spryker.
- Created client demos for Spryker.
- Demonstrated solutions for major clients (ZF, Vodafone, Aldi).

Software Engineer at Denizey Platform

Jun 2020 – Feb 2021

- Delivered training and coached dev teams while refactoring the platform.
- Provided remote trainings and workshops.
- Coached development teams on Laravel and Vue.js.

Technical Instructor at Security Theater

Sep 2016 – Sep 2019

- Led instruction and software projects across varied stacks for Security Theater.
- Created technical courses.
- Built products in Laravel, Slim, ReactJS, VueJS, NodeJS, NestJS.