

MOATAZ AHMED

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Seasoned Software Engineer with a technical background spanning **over 15 years** in the Egyptian tech landscape. Expert in **PHP/Laravel (v12)** and **Filament (v4)**, with a specialized focus on building secure, scalable architectures for complex business logic. Unique dual-expertise in **Internal Audit & System Integrity**, allowing for the delivery of "audit-ready" applications. Proven success in handling high-traffic platforms (28K+ bookings) while maintaining 99.9% uptime.

Technical Skills

- **Core Backend:** PHP 8.x (Expert in Laravel 12), Node.js (Real-time APIs & Microservices), RESTful & GraphQL API Design.
- **Admin & Dashboards:** Filament v4/v5 Expert, Livewire v4, Alpine.js, Custom Dashboard Orchestration.
- **Frontend & UI:** Tailwind CSS v4, Blade Components, Responsive Design, RTL/LTR Integration.
- **Database & Optimization:** MySQL (Expert in Schema Design & Normalization), Redis (Caching & Queues), Query Tuning, Data Integrity (Foreign Keys & Constraints).
- **Architecture & Security:** SOLID Principles, MVC, Design Patterns, RBAC (Role-Based Access Control), OWASP Security Standards, Audit-Ready System Design.
- **Infrastructure & DevOps:** Docker, Git/GitHub Actions (CI/CD), Linux Server Management (Nginx/Apache), VPS & Shared Hosting.

Professional Experience

360Codes - Back-End Developer 2016 – Present (Part time)

- Lead the development of scalable backend architectures using Laravel.
- Build and maintain high-performance APIs and integrate advanced admin dashboards using Filament.

Lead Systems Architect - Internal Audit Solutions | (Petroleum Pipelines Company) 2016 - Present

- **Audit Digital Transformation:** Architected a custom audit ecosystem to digitize manual workflows, ensuring 100% data consistency for corporate compliance.
- **Advanced Permissions:** Designed a sophisticated RBAC (Role-Based Access Control) framework to manage auditor roles and multi-tier manager approvals.
- **Automated Reporting Engine:** Developed a dynamic system for generating automated quarterly audit summaries and compliance reports, streamlining decision-making.

Freelance Software Developer 2009 – 2016

- Designed and maintained various web applications for local clients using PHP and MySQL.
- Focused on building custom CMS solutions and optimizing database performance for small-scale businesses.

MemphisTours Egypt – September 2009

- Maintained and enhanced legacy tourism platforms using PHP/MySQL. Optimized server performance and improved UX for high-traffic seasonal periods.

Projects

Facilitieservices.com (SkyBridge)

- Engineered a high-traffic ticketing system that successfully processed over 28,000 bookings, ensuring 99.9% uptime during peak hours.
- Architected the full-stack solution using Laravel and MySQL, focusing on database optimization and secure payment gateway integration.
- Developed a seamless user experience by integrating RESTful APIs and AJAX for real-time ticket availability.

Raunautica.com (Raunautica)

- **Resource Orchestration:** Built a comprehensive maritime operations dashboard using **Filament**, transforming traditional marina docking and inventory management into a fully automated digital workflow.
- **Real-time Integration:** Architected the backend to handle real-time docking requests and inventory tracking using high-performance Eloquent relationships and Redis caching.

IshraqMed.net Medical Services Portal (web – mobile app)

- **Notification Architecture:** Engineered an automated appointment scheduling engine integrated with real-time push notifications via GraphQL API.
- **Business Impact:** Successfully boosted platform engagement, resulting in a 35% increase in patient bookings.

Businessbelarabi.com (web – mobile app) - Podcast and B2B Business Directory

- **Custom Survey Engine:** Engineered a high-flexibility survey management module using Laravel 12 and Filament 4, featuring advanced multi-layer data filtering.
- **Decision Support Reporting:** Developed a professional reporting subsystem for exporting clean, data-only PDF/Excel reports, optimized for executive-level business analysis.
- **Scalability:** Implemented an optimized search architecture to handle a rapidly growing B2B directory of 200+ businesses with near-instant response times.

Education

Bachelor of Commerce, Ain Shams University - June 2006

Languages

- Arabic: Native
- English: Professional Working Proficiency