

Mohamed Ahmed Abdelghany

Backend Developer

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

PROFILE SUMMARY

Backend Developer with a strong foundation in building secure, scalable web applications using PHP (Laravel) and Node.js (Express). Experienced in designing RESTful APIs, managing MySQL/MongoDB databases, and implementing secure authentication systems (JWT/OAuth). Proven ability to deploy production-ready systems using Docker and maintain clean code architectures (SOLID, MVC). Dedicated to optimizing system performance, Passionate about backend engineering, clean code, and developing production-ready systems.

EDUCATION

Bachelor of Computer Science, Faculty of Computers and Artificial Intelligence – Cairo University (2020-2024)

Relevant Coursework: Web Development, Database Systems, OOP, Software Engineering, Data Structure

PROFESSIONAL EXPERIENCE

Full Stack Trainee | Information Technology Institute (ITI) Jun 2025 – Nov 2025 | New Capital, Egypt

- Architected and developed scalable RESTful APIs using PHP, Laravel, and Node.js to support complex web application features.
- Managed database operations by designing normalized MySQL schemas, optimizing queries, and ensuring data integrity across relational tables.
- Streamlined the development workflow by implementing Docker containers for consistent environments and utilized Git for version control in a team setting.
- Led the backend integration in an Agile team, collaborating with React developers to define API contracts and resolve version control conflicts using Git.

Backend Developer Intern (Sep 2024-Nov 2024)

Orange Digital Center [Cairo, Egypt]

- Developed and documented high-performance RESTful APIs using PHP and Laravel, serving as the core infrastructure for web application projects.
- Optimized API performance and reduced latency by refactoring codebase and improving database query efficiency (Eloquent ORM/SQL).
- collaborated with the development team to implement secure data handling practices and backend validation logic.

TECHNICAL PROJECTS

Ordra | (Laravel 12, PHP 8.2, React 19, Tailwind CSS 4, Reverb, Redis) [\[Link\]](#)

- Built a bilingual (Arabic/English) e-commerce management platform for merchants to manage digital storefronts, products, and sales.
- Engineered a real-time notification system and live dashboard updates using Laravel Reverb and Echo to enhance user engagement.
- Developed comprehensive analytics reporting engine with interactive revenue charts and customer engagement tracking via Recharts.
- Implemented a secure manual subscription monetization workflow with image-based proof verification and multi-role admin moderation.
- Secured API communication and multi-role (Merchant, Super Admin) authentication using Laravel Sanctum with fine-grained permissions.
- Delivered a modern SPA experience with React 19 and Tailwind CSS 4, ensuring a fully responsive and high-performance interface.

Mudakkik (AI News Verification) | (Laravel 12, PHP 8.2, React, Tailwind CSS, Stripe, Redis) [\[GitHub Link\]](#)

- Built an Arabic AI-powered checking and publishing platform supporting multi-role workflows (user, journalist, admin).
- Integrated AI content auditing and news verification via external services and automated moderation workflows.
- Implemented subscription monetization with Stripe, secure authentication with Sanctum, and queue processing with Redis + Horizon.
- Delivered a modern SPA experience with React, Tailwind CSS, real-time dashboards, and analytics reporting.

E-Commerce System | (Laravel 12, PHP 8.2, MySQL, Blade, Bootstrap, Chart.js) [\[GitHub Link\]](#)

- Built a full-featured e-commerce platform with product catalog, cart, checkout, and order tracking for a complete customer shopping flow.
- Developed an admin dashboard with sales analytics, order processing workflows, and inventory management with real-time status updates.
- Implemented secure authentication and role-based access using Laravel Sanctum, validation rules, and CSRF protections.

Personal Finance Tracker (Expense Tracker) | (Laravel 12, PHP 8.1+, MySQL, Blade, Chart.js) [\[GitHub Link\]](#)

- Developed a personal finance platform with income/expense tracking, transfers, and smart categorization.
- Designed interactive dashboards with monthly trends, category insights, and net-worth tracking using Chart.js.
- Added savings goals with progress visualization, deadline tracking, and achievement notifications.
- Implemented secure authentication and exportable reports (PDF/Excel) for detailed financial analytics.

SKILLS

Backend Engineering: PHP, Laravel, Node.js, Express.js, RESTful APIs, MVC, SOLID Principles.

Frontend Familiarity: HTML5, CSS3, JavaScript, TypeScript, React, Angular.

Database Management: MySQL (Relational), MongoDB (NoSQL), Database Normalization, Schema Design.

DevOps & Tools: Docker, Git & GitHub, Linux, Apache, Postman, AWS.

Soft Skills: Problem-Solving, Team Collaboration, Communication, Presentation.

CERTIFICATES

- **Software Development Process – Udacity (2023)**
- **Programming Foundations – LinkedIn (2022)**