

Mohamed Adel Nouh

Backend Developer (Laravel & PHP) | Building Scalable Dashboards, CMS, and APIs

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Professional Summary

Backend Developer with 3+ years of experience specializing in Laravel, PHP, and MySQL. Expert at building scalable dashboards, CMS platforms, e-commerce systems, and RESTful APIs. Delivered enterprise solutions for Orascom, Jetour, and MDP improving efficiency by up to 40%. Freelanced major projects like Breem Advertising Screen Management System, integrating real-time monitoring, offline resilience, and Android apps. Huawei Cloud certified with experience in AI, Big Data, and scalable architectures. Strong focus on clean architecture, role-based permissions, and system optimization.

Core Technical Skills

- Backend Development: PHP 8+, Laravel
- Frontend Development: JavaScript (ES6+), HTML5, CSS3, Bootstrap, TailwindCSS
- Some Knowledge About: Node.js, Express.js, Python, React.js, TypeScript
- Databases: MySQL, MongoDB
- DevOps & Cloud: Docker, AWS Deployment, CircleCI/CD, Huawei Cloud, Git, GitHub
- Testing & Quality: PHPUnit, Jest, Jasmine, Agile/Scrum
- Specialized: CMS Development, RESTful APIs, Spatie Permissions, Role-Based Access Control, ERP Systems

Professional Experience

Backend Developer | Icon Creations - Cairo, Egypt (Jun 2024 - Present)

- Designed and implemented RESTful APIs and optimized databases to support scalable dashboards for clients like Orascom, Jetour, Peugeot, Knowledge Net, and MDP.
- Improved admin panel performance by 50% through Laravel optimization techniques.
- Built reusable Laravel modules that cut development time by 30%.
- Led deployments and CMS customizations, ensuring seamless integration with frontend teams.
- Built Orascom Product Ordering System connecting client requests to 12 departments, reducing delays.
- Developed HR Recruitment System with automated emails for applicants and HR.
- Implemented Admin Activity Log System for website monitoring and auditing.
- Designed Role-Based Permission System (RBAC) for secure admin access.

- Delivered El-Tawkeel E-Commerce Car Booking Platform with CMS, news, and video modules.

Full-Stack Developer | Icon Creations – Cairo, Egypt (Nov 2023 – Jun 2024)

- Delivered 8+ customized CMS platforms improving client workflows.
- Collaborated with frontend teams to deploy scalable websites.
- Enhanced responsiveness and admin workflows.

Head of Criminal Registry & ERP Systems | Public Prosecution of Egypt – Ministry of Justice (2015 – Present)

- Managed ERP systems, digitized registry operations, and improved efficiency.
- Supervised IT teams, reduced clearance certificate processing time.
- Gained leadership experience in high-pressure government operations.

Freelance & Independent Projects

Breem Advertising Screen Management System (2025)

- Built integrated system managing Android advertising screens in clubs/cafés.
- Central Control Panel: CRUD for screens/locations, ad scheduling, approval workflows.
- Monitoring: Real-time heartbeat every minute, logs, alerts for inactive screens.
- Android App: Kotlin + ExoPlayer, offline fallback using Room DB.
- Reports: Ad display counts, compliance logs, admin activity tracking.
- Landing Website + CMS: Manage brand logos, videos, texts, with full scalability (100+ screens).

Huawei Cloud Projects & Training (2025)

- Earned HCCDA Certification and trained in AI & Big Data tracks.
- Hands-on with IAM, OBS, VPC, ECS, Load Balancers, and Security Groups.
- Designed cloud-ready solutions with governance, monitoring, and scalability.
- Experienced in encryption, custom keys, and cloud networking.

Projects

- **Orascom Dashboard System:** Product orders routed to 12 departments, HR recruitment system, admin activity logs, and RBAC permissions.
- **El-Tawkeel Car E-Commerce Platform:** Online car booking with Payment via Value/Visa, CMS, news, and video content.
- **Knowledge Net CMS:** Built a dynamic CMS that simplified admin workflows, Control 90% of website content and improved user experience.
- **MDP Dashboard:** Scalable CMS and services management system.
- **Jetour Libya Dashboard:** Scalable contact management system.
- **Quote2Supply:** Increased sales efficiency by 25% via backend optimization and Create Reports about user and vendors categories.
- **Air-Master Dashboard:** Streamlined content updates and improved response times.

- **Breem Ads Management System:** Full ad-tech solution with Android app, offline mode, and real-time monitoring.

Education

- ALX Software Engineering Program (2023–2024)
- CS50's Introduction to Computer Science – Harvard University (2023)
- Advanced Full-Stack Web Development Nanodegree – Udacity (2022–2023)
- Android Basics Nanodegree – Udacity (2019–2020)
- Bachelor of Commerce (Accounting & Business Administration) – Ain Shams University (2008–2012)

Certifications

- Huawei Certified Cloud Developer Associate (HCCDA) – 2025
- Huawei Cloud AI & Big Data Training – 2025
- ALX Software Engineering Certificate – 2024
- CS50's Computer Science Certificate – 2023
- Udacity Full-Stack Nanodegree – 2023
- Udacity Android Basics Nanodegree – 2020
- ITIDA Gigs Freelancing Program – 2024

Languages

- Arabic: Native
- English: Professional Working
- German: Elementary

Achievements

- Built enterprise systems integrating E-commerce, HR, ERP, and AdTech for regional clients.
- Delivered 10+ dashboards and CMS systems Control 90% of website content improving client efficiency by 40%.
- Improved client communication across 12 departments at Orascom, reducing response times by 40%.
- Developed Breem Ad Management System scaling to 100+ screens with offline resilience.
- Certified in Huawei Cloud AI & Big Data, applying knowledge in scalable architectures.