

# Mohanad Ahmed Shehata

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Portfolio: <https://mohanadportfolio.vercel.app>

## PROFESSIONAL SUMMARY

Dynamic Full Stack Developer with 2 years of experience designing, developing, and deploying scalable web applications. Proven track record of enhancing application performance, including a 30% boost in user engagement through real-time notifications and Redis caching optimization. Adept at leveraging MVC architecture, modern frameworks, and best practices to deliver secure, maintainable, and high-performing solutions. Passionate about driving innovation and collaborating with cross-functional teams to exceed project goals.

## EXPERIENCE

### Full Stack Developer

*Freelance | Egypt*

September 2024 – Present

- Developed and deployed robust full-stack web applications using Laravel (MVC architecture, Repository & Services pattern).
- Implemented OTP verification and real-time notifications with WebSockets (Pusher), increasing user engagement by 30%.
- Integrated Meilisearch with Laravel Scout for scalable, lightning-fast full-text search capabilities.
- Engineered Excel import/export solutions for large datasets using Laravel Excel package.
- Designed interactive dashboards and optimized performance with Redis caching.
- Delivered projects such as [Meterika.com](#) (MVC project with editable images & titles) and several custom client platforms.
- Ensured scalability, security, and maintainability through clean architecture and adherence to best practices.

### Full Stack Developer

*Freelance | Egypt*

June 2025 – present

- Developed full-stack applications across multiple platforms using industry-leading technologies and frameworks.
- Key contributor to the development, enhancement, and operation of web-based software solutions.
- Gained hands-on expertise in Bootstrap, Foundation, Express, and Node.js, as well as front-end presentation frameworks.
- Conducted comprehensive unit and load testing for high-profile, customer-facing applications, reducing system failure rate by 70%.

## PROJECTS

## **NEWMO**

[Live Demo](#) | June 2025 – August 2025

- Built a full-stack news portal using Laravel (MVC), MySQL, Bootstrap, and JavaScript.
- Integrated Laravel Echo with Pusher for real-time breaking news notifications.
- Implemented OTP-based authentication, mail verification, and notification systems for enhanced security.
- Enabled instant, accurate search across thousands of articles using Laravel Scout + Meilisearch.
- Integrated Yajra DataTables for advanced admin panel data management (filtering, sorting, pagination).
- Optimized performance with Redis for caching and queue handling.
- Delivered a responsive, SEO-friendly design to maximize accessibility and reach.
- Developed a secure admin panel with role-based permissions for managing articles, authors, and categories.

## **ParkingMO**

[Live Demo](#) | January 2025

- Developed a full-stack parking management system using Laravel, MySQL, Bootstrap, and JavaScript.
- Built modules to manage customers, cars, parking slots, and subscriptions.
- Integrated real-time notifications (Laravel Echo & Pusher) for subscription expiry alerts.
- Automated billing system for accurate calculation of dues at subscription end.
- Implemented secure authentication with mail verification for customers and admins.
- Developed an admin dashboard for comprehensive management of users, vehicles, slots, subscriptions, and revenue tracking.
- Applied Yajra DataTables for dynamic data management (search, sort, filter).
- Designed a responsive, user-friendly UI for seamless customer and admin experience.

## **EDUCATION**

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### **Bachelor of Science in Communication and Electronics Engineering**

Institute Of Aviation Engineering And Technology, Giza, Egypt

Graduated: 2027 | GPA: 3.9/4.0

## **CERTIFICATIONS & COURSEWORK**

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- **Frontend Web Developer With React.js** – DEPI, 2025 (React.js, Node.js, Next.js, Express.js)
- **Full Stack Web Developer (React.js & Laravel)** – WE, 2024 (Laravel, React.js)

## **TECHNICAL SKILLS**

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### **Backend & Frameworks:**

- Laravel (Repository & Services Pattern), PHP, RESTful APIs, Authentication & Authorization (Guards, Gates, Policies, OAuth)

- WebSockets (Laravel Echo, Pusher), OTP Verification, Mail Validation, Laravel Excel (Import/Export), Laravel Queue & Jobs

#### **Frontend:**

- HTML5, CSS3, Bootstrap, JavaScript (ES6+), React.js

#### **Database & Optimization:**

- MySQL (indexes, joins, caching), Redis (caching, queues, session handling), Laravel Scout + Meilisearch (full-text search), Yajra DataTables
- MongoDB, SQL, PostgreSQL

#### **Dev Tools & Workflow:**

- Git, GitHub, Composer, NPM, Postman, SEO Optimization, MVC Design Pattern, Unit Testing & Debugging

#### **Soft Skills:**

- Problem-solving, Teamwork, Patience, Ability to work under pressure, Clean Code & Performance Optimization

## **LANGUAGES**

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- ◆ English (Professional)
- ◆ Arabic (Native)