

MOSTAFA ALAA

BACK-END DEVELOPER

PROFESSIONAL SUMMARY

Motivated Electronics and Communication Engineering student with experience in Laravel backend development with a focus on clean, secure code and efficient frontend-backend integration. Skilled in building RESTful APIs, managing authentication, and optimizing backend performance. Passionate about clean, secure code and seamless frontend-backend integration.

CONTACT

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WORK EXPERIENCE

- **Back End Development With Laravel**
 - Built RESTful APIs using Laravel, handling authentication, user management, and database operations.
 - Worked closely with a front-end team to ensure smooth integration.
 - Improved backend performance and security using best practices

EDUCATION

Zagazig University Bachelor's Degree in
Electronics and Communication Engineering,
Second-Year Student (2023 - Present)

SKILLS

- **Languages & Frameworks:** PHP, Laravel, HTML, CSS
- **Tools:** Git, GitHub, MySQL, Postman
- **Soft Skills:** Teamwork, Communication, Problem-Solving

PROJECTS

Sports Court Booking API – Smart Venue Reservation System

- Technologies: Laravel 12, MySQL, Laravel Sanctum, Stripe Payment Gateway, Queues&Jobs , Task Scheduling, Service Pattern.
- Description:
 - Engineered a high-performance RESTful API for managing sports venues and real-time court reservations using Laravel 12.
 - Implemented a complex overlap detection algorithm using Advanced Eloquent Scopes to prevent double-booking conflicts across different time slots.
 - Architected the backend using the Service-Repository Pattern and Polymorphic Relations to ensure code scalability, maintainability, and separation of concerns.
 - Integrated Stripe Payment Gateway with Webhooks to handle secure checkout flows and automate payment status synchronization in real-time.
 - Automated system maintenance and booking expiration cleanup using Laravel Task Scheduling (Cron Jobs).
 - Optimized API response time by offloading notification and email processes to background Queues & Jobs.
 - Enforced robust security and access control using Laravel Policies and Sanctum for role-based authentication (Admin, Venue Owner, Player).

Collaboration API – Task & Project Management System

- **Technologies:** Laravel 12, Laravel Sanctum, Eloquent ORM, Queues & Jobs, Policies, RESTful API
- **Description:**
 - Developed a scalable RESTful API for project and task management with integrated team collaboration features. Used Queues & Jobs to send automated welcome messages asynchronously.
 - Implemented secure user authentication and session handling using Laravel Sanctum.
 - Built full CRUD operations for projects with role-based permissions (Owner, Admin, Member).
 - Added team invitation workflows and customizable roles to enhance collaboration.
 - Integrated automated email notifications for welcomes, invitations, and task updates using Events & Listeners.
 - Applied Laravel Policies to enforce granular and secure access control across all resources.
 - Designed a clean and scalable RESTful API structure.

Financing & Task Management API

- **Technologies:** Laravel 12, Laravel Sanctum, Eloquent ORM, Queues & Jobs, Policies, RESTful API
- **Description:**
 - Built a combined task and expense management API with secure user authentication.
 - Used Queues & Jobs to send automated welcome messages asynchronously.
 - Applied Laravel Policies to ensure strict, per-user data access control.
 - Designed a clean and scalable RESTful API structure.

Job Board System

- **Technologies:** Laravel, Eloquent, Events & Listeners, Mail, Notifications
- **Description:**
 - **Developing a job board platform where:**
 - **Users can apply for jobs and track status.**
 - **Companies manage applications and receive email notifications.**
 - **Implemented Laravel Events, Listeners, and Mail system for real-time actions.**

Clinic System

- **Technologies:** Laravel, MySQL, Eloquent ORM, RESTful Routing, Validation, Authentication
- **Description:**
 - Developed a full-featured clinic management system where doctors can:
 - View daily appointments and patient counts.
 - Accept, reject, or confirm consultations.
 - Manage user roles (Doctor/Patient) with secure access.