

Marwa Mohamed Abd El-Wahed

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SUMMARY

Backend Software Engineer with 2+ years of experience building scalable, production-grade systems using ASP.NET Core and Laravel. Experienced in designing high-performance REST APIs, optimizing relational databases, and implementing clean architecture patterns in data-intensive environments including ERP systems, subscription platforms, and payment-integrated solutions. Passionate about system scalability, performance optimization, and building reliable backend services at scale.

EDUCATION

Bachelor Degree

Minor in Veterinary Medicine • Mansoura University • Mansoura • 2022

EXPERIENCE

.NET Web Developer Intern (Dot Net)

Huma Volve

January 2026 - February 2026, Egypt

- Completed an intensive .NET Web internship focused on building real-world applications using ASP.NET Core and MVC architecture. Worked on designing scalable backend structures, developing RESTful APIs, and integrating databases using Entity Framework Core. Participated in real project environments following clean architecture principles, writing maintainable code, and applying best practices for validation, performance optimization, and security. Collaborated within a development workflow simulating professional production teams, including testing, debugging, and feature implementation.
- Built real ASP.NET Core modules used in production-like scenarios
- Designed and implemented RESTful APIs with proper routing, validation, and error handling
- Integrated Entity Framework Core with optimized queries and efficient database access
- Applied Clean Architecture principles and proper separation of concerns
- Implemented authentication and authorization features (JWT, role-based access)
- Improved performance by optimizing database access and backend logic flow
- Collaborated within a structured development workflow similar to real-world engineering teams

Back-End Developer (Laravel)

Amasi Tech

May 2024 - December 2025, Saudi Arabia

- Developed and maintained various web applications using PHP frameworks such as Laravel and Yii2. Responsible for designing and implementing backend architectures, building and integrating APIs, and working with tools like Postman and Docker for efficient testing and deployment. Contributed to optimizing system performance, ensuring data security, and maintaining clean, scalable code following best development practices.
- Designed and implemented scalable backend architectures for multiple web applications
- Built and integrated RESTful APIs with secure authentication, validation, and proper error handling
- Improved system performance by optimizing database queries and server-side business logic
- Collaborated closely with frontend teams to ensure seamless API integration and efficient data flow
- Implemented secure coding practices to protect application data and prevent common vulnerabilities
- Automated API testing workflows using Postman and worked with containerized environments using Docker
- Refactored legacy code to enhance maintainability, readability, and long-term scalability
- Followed Clean Code principles and industry best practices in all development tasks

Back-End Developer

Egyptian Council (Laravel)

September 2023 - February 2024, Egypt

- Trained in web development using PHP and the Laravel framework to build dynamic and interactive web systems. The internship involved developing practical projects to gain real experience in database design, frontend-backend integration, and writing clean, maintainable code. This experience strengthened technical skills in backend development and provided a clear understanding of the project lifecycle from analysis to deployment.
- Developed dynamic web modules using PHP and Laravel following MVC architecture
- Designed relational databases and structured efficient, normalized data models
- Integrated frontend interfaces with backend logic to build fully interactive systems
- Wrote clean, maintainable, and well-documented code following industry standards
- Participated in building real-world training projects simulating production environments
- Strengthened debugging and problem-solving skills through hands-on backend development
- Gained practical understanding of the full project lifecycle from requirements analysis to deployment
- Applied best practices in validation, error handling, and performance optimization

Back-End Developer (Laravel)

Createivo

June 2022 – December 2022, Mansoura

- Trained in developing web systems using PHP and Laravel, focusing on backend structure and database management. The internship included practical training projects that simulated real-world environments, applying concepts of code organization, security, and performance optimization. This experience strengthened skills in working with servers, databases, and backend–frontend integration within a professional development workflow.
- Built backend modules using PHP and Laravel following structured MVC architecture
- Designed and managed relational databases with optimized schema structure and indexing
- Simulated real-world development environments through practical, production-like training projects
- Applied Clean Code principles and proper code organization techniques
- Implemented security best practices to protect application data and validate user input
- Improved application performance through backend logic refinement and query optimization
- Worked with servers and deployment environments to understand hosting and production workflows
- Strengthened integration skills between backend systems and frontend interfaces

Front-End Developer Trainee (React JS)

IT Share

October 2022 – November 2022, Egypt

- Completed an intensive React JS training focused on building modern single-page applications (SPA).
- Developed reusable components using JSX and functional components.
- Implemented state management using React Hooks (useState, useEffect).
- Integrated RESTful APIs and handled asynchronous data fetching.
- Built responsive UI layouts following modern front-end best practices.
- Applied component-based architecture and clean code principles.

PROJECT

All-in-One Booking Platform (Dot Net)

Huma Volve • January 2026 - February 2026

My Role: Backend Developer

- Designed the ERD and database schema structure ensuring optimized relationships and scalability.
- Implemented the complete Hotels and Booking modules including both REST APIs and MVC functionality.
- Developed admin dashboard UI and backend logic for managing booking system data.
- Applied Clean Architecture principles with proper separation between Core, Infrastructure, and Presentation layers.
- Implemented data access layer using Repository Pattern, Unit of Work, and Service Layer abstraction.
- Integrated authentication and authorization flows (JWT-based system already implemented within the project architecture).
- Performed API testing and validation using Postman and Swagger.
- Contributed to Hotels module in MVC including views, logic, and data integration.
- Collaborated in structuring a maintainable, modular, and scalable system architecture.

MedLink — Doctor Booking Platform with Secure Payment Integration (Dot Net)

Huma Volve • January 2026 - February 2026

My Role: Backend Developer

- Designed ERD and database schema.
- Implemented doctor search and filtering APIs.
- Built appointment booking logic.
- Integrated Stripe payment gateway.
- Applied Clean Architecture structure.
- Implemented Repository and Unit of Work patterns.
- Configured JWT authentication and authorization.
- Tested APIs using Swagger and Postman.
- Optimized database queries for performance.

Vult Subscription Management Admin Dashboard (Laravel)

Amasi Tech • September 2025 - December 2025

My Role: Backend Developer

- Developed APIs to manage trial and paid academies.
- Created endpoints for tracking subscription status and handling renewals.
- Implemented the payments and invoicing system linked to each subscription.
- Built APIs for managing academy branches and connecting them to subscriptions.
- Implemented full CRUD operations for subscription management within the admin dashboard.
- Designed and structured database tables related to subscriptions, payments, and invoices.
- Optimized database queries to improve performance and data accuracy.
- Implemented business logic for the full subscription lifecycle and renewal flow.
- Supported the frontend team to ensure seamless integration between backend and dashboard.

Vult – Comprehensive Sports Academy Management Dashboard (Laravel)

Amasi Tech • June 2025 - December 2025

Live Link -> [Click Here](#)

My Role: Backend Developer

- Contributed to developing a large web-based dashboard for managing sports academies within the Vult system.
- Implemented backend logic for complex dashboard operations and workflows.
- Developed academy management modules (data, status control, branch structure).
- Built user, branch manager, and staff management features.
- Implemented a complete Roles & Permissions system for platform and academy admins.
- Developed modules for activities, training plans, and internal academy content.
- Built a comprehensive player management system (skills, vitals, performance tracking).
- Implemented player attendance tracking directly within the dashboard.
- Developed content management features (media, news, activities).
- Created pages and reports for subscriptions, payments, and invoices.
- Structured and prepared data for accurate and smooth frontend display.
- Collaborated closely with the frontend team to ensure seamless integration. Developed a wide range of backend APIs powering the entire Vult platform and dashboards.
- Built APIs for managing academies, branches, users, and staff.
- Implemented advanced RBAC (Roles & Permissions) APIs.
- Developed APIs for activities, training programs, and academy operations.
- Built advanced endpoints for player management (skills, vitals, progress).
- Developed full subscription lifecycle APIs (creation, billing, renewal, expiration, invoices).
- Implemented payment tracking and linking with academy and parent subscriptions.
- Built attendance tracking APIs for players with complete logic.
- Developed parent management APIs and child-parent linking system.
- Optimized queries and backend performance for a large-scale, data-heavy platform.
- Documented APIs and supported frontend teams with integration.
- Designed and optimized database relationships between all major entities.

Vult Subscription Landing Page (Laravel)

Amasi Tech • www.govult.com/ • August 2024 - December 2025

Live Link -> [Click Here](#)

My Role: Backend Developer

- Developed the free trial request API.
- Built the paid subscription API with billing data collection.
- Integrated the landing page with the admin subscription system.
- Managed the subscription lifecycle from registration to activation.
- Designed database tables for subscription requests.
- Implemented business logic for accurate onboarding.
- Supported frontend integration with backend APIs.

Mawhob (Platform for Managing and Marketing Sports Academies) (Laravel)

Amasi Tech • bemawhoob.com/ • June 2024 - December 2025

Live Link -> [Click Here](#)

My Role: Backend Developer

- Developed APIs for user registration and login system.
- Built endpoints for listing academies and retrieving full academy details.
- Implemented search and filtering APIs for academies.
- Developed APIs for academy offers and integrated them with academy profiles.
- Built APIs for academy facilities and linked them to academy details.
- Developed endpoints for listing talents and viewing talent profiles.
- Created a full Academy Admin Panel backend, including news, offers, facilities, and content management.

Vult App – Parents Monitoring Mobile Application (Laravel)

Amasi Tech • play.google.com/store/apps/details?id=com.amasi.vult • June 2024 - December 2025

Live Link -> [Click Here](#)

My Role: Backend Developer

- Developed APIs linking parents to their children's profiles.
- Built endpoints for children's training schedules and sessions.
- Implemented subscription tracking and renewal APIs.
- Created attendance record APIs for each child.
- Developed APIs for personalized training plans.
- Implemented notifications and academy news endpoints.
- Structured and optimized database relations and queries.
- Improved backend performance for fast and stable app usage.

Mawhoob Platform – Admin Dashboard (Laravel)

Amasi Tech • May 2024 - December 2025

My Role: Backend Developer

- Implemented full CRUD operations for managing platform advertisements.
- Developed CRUD functionality for platform settings and internal configurations.
- Built a complete Roles & Permissions system for staff users.
- Designed and managed database tables, relations, and SQL queries.
- Developed business logic for internal admin operations.
- Improved backend data handling for stability and usability.
- Ensured scalability and maintainability of the admin backend structure.

Full ERP System for Restaurant Chain Management (Laravel)

Amasi Tech • May 2024 - December 2025

My Role: Backend Developer

- Contributed to developing a large-scale web-based ERP dashboard for a restaurant chain
- Implemented backend logic across multiple interconnected subsystems within the platform
- Developed inventory management modules (items, stock levels, receiving & issuing workflows)
- Built HR modules including employee management, attendance tracking, payroll, and deductions
- Developed accounting features and daily financial transaction workflows
- Implemented POS workflows including order creation, payment processing, and cashier operations
- Integrated POS operations with inventory to automatically update stock in real time
- Built modules for daily expenses, revenues, and cashier financial summaries
- Implemented a complete role-based access control (RBAC) system for users and permissions
- Developed dynamic reporting pages for sales, inventory tracking, and financial operations
- Optimized backend performance and ensured system stability under operational load
- Collaborated closely with frontend developers to ensure accurate data integration and seamless UI flow

CERTIFICATIONS

.NET Training Program (176 Hours)

Huma volve • 2026

- Completed an intensive 176-hour .NET training program covering C#, OOP, ASP.NET Core, Web API development, database integration, and backend best practices. Strengthened hands-on experience in building scalable backend applications.

ASP.NET Core 10 (.NET 10) | True Ultimate Guide

Udemy – Web Academy by Harsha Vardhan • 2026

- Completed an in-depth professional training covering ASP.NET Core 10 and modern .NET development practices. The course included real-world projects, advanced backend architecture, performance optimization, RESTful API design, authentication systems, and enterprise-level coding standards. Total training duration: 86.5 hours.

Ultimate ASP.NET Core Web API Development Guide

Udemy – Trevor Williams • 2026

- Completed a professional hands-on training focused on building scalable and secure RESTful APIs using ASP.NET Core. The course covered API architecture, routing, middleware, authentication & authorization, data validation, performance optimization, and production-ready backend practices. Total duration: 19 hours.

Ultimate C# Masterclass for 2026

Udemy – Krystyna Ślusarczyk • 2026

- Completed an advanced C# masterclass covering modern C# programming, object-oriented design, LINQ, collections, exception handling, asynchronous programming, and best practices for building clean, scalable, and maintainable .NET applications. Total training duration: 48 hours.

Laravel 12: Build a Multi-Vendor Ecommerce Website (2026)

Udemy – Web Solution Us, Md Morshedul Arefin • 2026

- Completed an advanced Laravel 12 course focused on building a full multi-vendor ecommerce platform from scratch. Developed vendor dashboards, product management systems, order processing workflows, role-based access control (RBAC), payment integrations, and scalable database architecture. Strengthened skills in Eloquent ORM, RESTful API development, authentication, and production-ready Laravel application design. Total training duration: 90.5 hours.

Laravel – The Comprehensive Guide: From Beginner To Expert

Udemy – Robert Apollo • 2026

- Completed comprehensive training covering Laravel fundamentals to advanced backend concepts. Built real-world applications using MVC architecture, routing, middleware, authentication & authorization systems, RESTful APIs, database relationships, validation, and security best practices. Enhanced expertise in developing scalable and maintainable Laravel applications. Total training duration: 39 hours.

TP-102: Building Web Sites Using HTML5, CSS3, JavaScript, PHP & MySQL

Creative Academy • 2022

- Completed foundational full-stack web development training covering front-end and back-end technologies. Developed dynamic websites using HTML5, CSS3, JavaScript, PHP, and MySQL with database integration, form validation, and server-side scripting. Established strong fundamentals in web application development and backend logic implementation.

Front End Programming – React JS (92 Hours)

IT Share • 2022

- Completed an intensive React JS training program focused on building modern, responsive, and component-based web applications. Covered JSX, components, props, state

management, hooks, routing, and API integration. Developed interactive user interfaces following modern front-end architecture and best practices. Total training duration: 92 hours.

SKILLS

Backend

- C# / .NET
 - ASP.NET Core
 - ASP.NET Core MVC
 - ASP.NET Core Web API
 - REST APIs
 - RESTful API Design
 - Minimal APIs
 - Entity Framework
 - Entity Framework Core
 - LINQ
 - Dependency Injection
 - Middleware Pipeline
 - Authentication & Authorization (JWT, ASP.NET Identity)
 - Clean Architecture
 - Repository Pattern
 - Unit of Work Pattern
 - CQRS Pattern
 - SignalR
 - Background Services / Hosted Services
 - Payment Integration
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Databases

- ERD Design
 - Database Design & Normalization
 - SQL Server
 - MySQL
 - Query Optimization
 - Indexing Strategies
 - Stored Procedures
 - EF Core Migrations
 - Data Seeding
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DevOps & Cloud

- Docker
 - Docker Compose
 - Azure
 - Azure Boards
 - CI/CD Pipelines
 - GitHub Actions
 - Environment Configuration
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Tools

- Visual Studio
- JetBrains Rider IDE
- VS Code
- Git & GitHub
- Postman
- Swagger / OpenAPI
- SQL Server Management Studio (SSMS)
- Navicat
- Figma
- Jira / Trello
- Notion