

OMAR MOHAMED OSMAN

Backend Developer

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SUMMARY

Backend Developer specializing in PHP, MySQL, and Firebase with expertise in API integrations and authentication.

Skilled in building scalable backends for e-commerce, movie platforms, and business applications.

Focused on database design, performance optimization, and secure data handling.

Experienced in backend logic, user authentication, and structured data management.

Strong problem-solving skills with a collaborative approach to development.

Passionate about learning new technologies and improving backend systems.

EXPERIENCE & PROJECTS

- E-Shop - E-Commerce Platform – PHP & MySQL

(Feb 2025)

Project Overview:

- Developed a fully functional E-commerce platform with a robust authentication and authorization system, designed to serve both administrators and end-users efficiently. The platform ensures secure access management, product handling, user interactions, and order processing.

Key Features:

- Role-Based Access Control (RBAC):
- Multi-level admin hierarchy (Super Admin with full control, Sub Admin with read-only access).
- Users can manage their own profiles, products, and ratings.

Authentication & Security:

- Secure login & registration system with session management.
- Prevents unauthorized URL manipulation and direct access to restricted pages.

Product & Category Management:

- Admins can create, edit, delete products, categories, and user accounts.
- Users can add products under predefined categories.

User Profiles & Ratings:

- Each user has a detailed profile with an overview of their activity.
- Rating & review system implemented at both product and user levels.

Shopping Cart & Checkout:

- Step-by-step cart progression leading to the payment page.
- Integration with secure MySQL database for transactions.

Database Design:

- Optimized MySQL database with structured Entity-Relationship Diagram (ERD).
- Proper data relationships & constraints to ensure integrity.

Technologies Used:

- PHP (Native) | MySQL | HTML, CSS, JS | Authentication & Authorization | Secure Sessions | Role-Based Access Control (RBAC)

GitHub Repo: [E-Shop](#)

Future Enhancements:

- Convert to a RESTful API for scalability.
- Implement JWT Authentication for session management.
- Add third-party payment gateways (e.g., Stripe, PayPal).

- Cooktales - Food E-Commerce Platform - React & Firebase

(Oct 2024)

Project Overview:

Developed a dynamic and scalable e-commerce platform for food browsing and purchases, utilizing React for the frontend and Firebase for the backend. The platform ensures a seamless user experience with secure authentication, real-time database updates, and an optimized payment system.

Tech Stack:

- Frontend: React, Librarys (FontAwesome, Bootstrap, Tailwind, Swiper, Number Format)
- Backend: Firebase (Authentication, Firestore, Cloud Functions), Axios, Express, Stripe (Payments)

Key Features:

- Secure User Authentication: Login & session management with Firebase.
- Fully Responsive UI: Optimized for all screen sizes, ensuring a smooth user experience.
- Dynamic Product Displays: Integrated Swiper sliders for interactive browsing.
- Seamless Payment Integration: Secure transactions using Stripe API.
- Fast & Scalable Backend: Firestore database with Express.js for API handling.

Impact & Achievements:

- Strengthened full-stack development skills.
- Implemented real-time API integrations for a seamless shopping experience.
- Designed a scalable, high-performance architecture for future growth.

Live Demo: [Cooktales](#) (Please wait 20 seconds due to the free data plan)

- Summer Internship | Information Technology Institute (ITI)

(June - August 2024)

- Gained hands-on experience in web development, focusing on building responsive and dynamic web interfaces using HTML, CSS, and JavaScript.
- Developed server-side applications and managed databases using PHP and MySQL.
- Worked with Laravel to create scalable web applications and improve programming skills.
- Collaborated with instructors, mentors, and peers to solve real-world development challenges. [Certificate](#)

- Boxmovies - Movies Platform - JavaScript

(June 2024)

Project Overview:

Developed a dynamic and user-friendly movie platform that fetches real-time movie data using an external API. The platform provides seamless navigation, search capabilities, and detailed movie information, ensuring an engaging user experience.

Tech Stack:

- Frontend: HTML, CSS, JavaScript .
- API Integration: External movie database API .
- UI Enhancements: Custom-built movie carousel slider for smooth navigation .

Key Features:

- Dynamic Content Fetching: Movies are retrieved in real-time via API.
- Advanced Search Functionality: Users can search for movies by title.
- Interactive Movie Slider: Smooth navigation through movie posters and details.
- Dedicated Movie Detail Pages: Displays in-depth information using unique movie IDs.
- Fully Responsive Design: Ensures optimal viewing across all screen sizes.

Impact & Achievements:

- Strengthened API integration and asynchronous data handling skills.
- Enhanced frontend development expertise through interactive UI components.
- Delivered a responsive, scalable movie browsing experience.

Live Demo: [Boxmovies](#)

- Finsweet - User Interface (Blog)

(Mar 2024)

Project Overview:

Developed a responsive blog platform for businesses to showcase their services and launch websites.

Tech Stack:

- Frontend: HTML, CSS, Bootstrap
- UI Enhancements: FontAwesome icons

Key Features:

- Clean & Responsive UI for seamless browsing.
- Service Showcase to highlight business offerings.

Live Demo: [Finsweet](#)

EDUCATION

Bachelor of Literature from KMA Academy

(Jul 2023 - Oct 2019)

Major: Surveying and Maps Engineering

Grade: Good

Relevant Coursework: Structural Design, Project Management

CORE PROFICIENCIES

Technical Skills

Basics Programming : Object Oriented Programming (OOP and Object Oriented Design (OOD), Design Patterns, Data Structure, Algorithms, Database (ERD), C++, C# .

Frontend : HTML, CSS, JavaScript, jQuery, React.js .
Responsive Design, Bootstrap, Tailwind .

Backend : PHP, MySQL, Laravel,
MVC, SDLC, SOLID, APIs,
Git/GitHub .

Soft Skills

- Problem-solving, Critical Thinking, Open-mindedness to quickly learn about\ new development methodologies, Time Management
- Communication Skills, Presentation Skills, Emotional Intelligence & Leadership

CERTIFICATIONS

- Information Technology Institute (ITI) PHP Web Development

(Aug 2024 - June 2024)

- MEC Academy | Frontend Diploma

(Sep 2024 - Dec 2023)

- MEC Academy | Backend Diploma

(Mar 2025 - Oct 2024)

- HOURS | Advanced Programming

(Apr 2025 - Nov 2024)

ADDITIONAL INFORMATION

Languages

- Arabic native
- English B2