

# Osama Zayed

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My name is Osama Zayed, and I specialize in web and software development. I work for the Supreme Agricultural Committee and provide freelance services. With two years of experience, I use various programming languages and tools to create innovative solutions. My goal is to excel in the software industry and continually expand my skills.

## EXPERIENCE

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- **Freelance Web Developer (2022 - Present)**
  - "Ben Ali Oud and Perfumes" Online Store
  - Police Report Management System
  - Developing a "My Health" system
  - Working on the Saba University Students Portal Project
  - "Earth Observation Eye (EOE) for surveying satellite images
- **Consultant and Web Systems Developer at the Higher Agricultural Committee (2023/12 - 2024/12)**
  - Diesel unit system
  - Dairy unit management system
  - Value chain system
- **Teacher, Laravel Course (July 7, 2024 - August 7, 2024)**
  - Supported by Google Developer Club, Razi University
  - Worked at West Academy
  - Taught concepts of the Laravel framework, focusing on web application development.

## EDUCATION

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Bachelor of Information Technology from Razi University

## TRAINING COURSES

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- Project Management (2022)
- User Interface and User Experience Design(UI/UX) (2023)
- Mobile App Development (2023)
- Laravel Framework(Laravel) (2023)
- Advanced Laravel Framework (2023)
- Search Engine Optimization(SEO) (2023)

## TECHNICAL SKILLS

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|-----------|---------------|----------------|
| • PHP     | • JavaScript  | • Bootstrap    |
| • Laravel | • Python      | • Git & GitHub |
| • HTML    | • Restful API | • Flask        |
| • CSS     | • Django      | • Docker       |
| • SQL     | • Vue         |                |

## **SOFT SKILLS**

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- learning speed
- Good communication skills
- Problem solving
- Effective teamwork
- Ability to lead and collaborate
- Creative thinking

## **PROJECTS**

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### **1. Dairy Unit Management System**

Developed a comprehensive system for managing milk collection and distribution operations in collaboration with the General Corporation for Agricultural Services.

- **Milk Collection Application:** Enables dairy associations to register milk-producing families and track the number of cows per farmer. Documents milk supply operations according to specific storage procedures and provides detailed operational reports.
- **Association Management Application:** Allows associations to manage branches, record quantities of milk collected and transferred to factories, and manage truck drivers. Generates comprehensive reports on collection and transfer operations.
- **Factory Delegate Application:** Enables delegates to record milk receipts and perform quality checks. Includes documentation of spoiled quantities and generates accurate reports for institutions and associations.
- **Enterprise Control Panel:** Provides an integrated management interface for monitoring all system operations with reporting and statistical analysis capabilities.

### **2. Yemen Market**

Created an integrated e-commerce system tailored to the local market's needs.

- **Sales Management:** Developed a comprehensive system with a website and mobile app, supporting multiple languages and currencies, with roles for administrators, vendors, and regular users.
- **Powerful Control Panel:** Designed an interface for managing products, orders, and users, with customization options for categories and sections.
- **User Interface Design:** Focused on user experience through intuitive and user-friendly interfaces to facilitate browsing and purchasing.
- **APIs:** Developed APIs for seamless integration between front-end and back-end components.

### **3. Diesel Management System**

Implemented an integrated system for managing farmers' petroleum product needs.

- **Inventory Management:** Developed a real-time inventory tracking system with role-based access control for accurate accounting transactions.
- **Administrative Control Panel:** Created a user-friendly interface for managing processes and users, with reporting capabilities.

- **Mobile Application:** Allows users to enter inventory transactions based on permissions, enhancing inventory management efficiency.
- **Security Measures:** Integrated access restrictions and activity monitoring to safeguard the system against potential threats.

#### 4. Police Management System

Established an integrated system linking all police departments in the capital.

- **Internal Network:** Connects all police departments, facilitating data exchange and incident reporting.
- **Multiple Interfaces:** Includes report entry, search, audit, and approval interfaces to enhance police work efficiency.
- **Citizen Engagement Section:** Allows citizens to submit complaints or reports, improving communication between police and the community.
- **Statistics and Reports:** Provides a section to display approved reports and issues, aiding informed decision-making.

#### 5. “For My Health” App

Developed an innovative application for detecting smuggled drugs.

- **Comprehensive Database:** Utilizes a database containing various types of medications to assist in identifying smuggled drugs.
- **Artificial Intelligence:** Implemented AI algorithms to analyze images and distinguish different drugs, enhancing detection accuracy.
- **Development with Django:** Used Python and the Django framework for backend development, ensuring high performance and fast response times.

#### 6. Earth Observation Eye (EOE)

A project focused on data analysis based on satellite images.

- **Data Analysis Models:** Developed models to detect slums and building density, aiding stakeholders in planning and development.
- **API Development:** Allows users to integrate AI models into their applications for easy access to data and analytics.
- **Comprehensive Website:** Built a site with sections for testing and statistics, facilitating data interaction.

#### 7. Saba University Student Portal

Created an integrated system for managing university operations.

- **College Administration:** Manages college operations, specializations, students, professors, and curricula, facilitating communication and follow-up.
- **API:** Displays comprehensive information about the university, majors, and courses for easy access.
- **Student Section:** Provides study schedules, results, and achievements, enabling students to track their academic performance.

## 8. Ben Ali Perfumes Store

Developed an online store for Ben Ali Perfumes.

- **User-Friendly Interface:** Designed a website that reflects brand identity and offers a convenient shopping experience.
- **Product Management:** Enables the display of a variety of fragrances with detailed information about each product.
- **Sales Reports:** Provides analytical tools to track sales and evaluate store performance, facilitating strategic decision-making.

## Certifications

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- **"Project of a Lifetime" - Yemen Achievement**  
Focus: Work Readiness, Entrepreneurship, Knowledge, and Financial Literacy  
Date: 18/4/2019
- **Sana'a University Computer Diving License**  
Date: 6/6/2021 - 29/6/2021
- **Web Development Framework Application**  
During the Summer Camp of the College of Computer Science in collaboration with IEEE  
Date: 20/5/2023 - 30/6/2023
- **Mobile Application Development**  
During the Summer Camp of the College of Computer Science in collaboration with IEEE  
Date: 20/5/2023 - 30/6/2023
- **User Interface (UI) Design**  
During the Summer Camp of the College of Computer Science in collaboration with IEEE  
Date: 20/5/2023 - 30/6/2023
- **GDSC Core Member- Certificate of Completion**  
This certificate is awarded in recognition of my efforts as a core team member of the Google Developer Student Club for the 2023 - 2024 academic year

## HOBBIES

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- **Software Development:** Passionate about creating software projects and mobile applications to enhance my technical skills.
- **Tech Reading:** Keeping abreast of the latest trends in IT and software development to stay updated on innovations.
- **Sports:** Engaging in walking and jogging to maintain good health and boost energy levels.
- **Competitive Programming:** Participating in online competitions to improve my problem solving skills and critical thinking.
- **Volunteering:** Involved in community initiatives focused on environmental improvement and supporting others.