






Osama Mohamed

Back-End Developer

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SKILLS

- Programming Languages:**
Python, JavaScript
- Web Frameworks:**
Django, Flask, Node, Express
- Version Control:**
Git, GitHub
- Database Management:**
MySQL, MongoDB, Firebase
- Core Skills:**
Algorithms, Data Structures, Object-Oriented Programming, SOLID Principles
- Web Development:**
HTML, CSS
- Courses Completed:**
CS50 (Harvard's Introduction to Computer Science)

EDUCATION

- Faculty of Agriculture, Fayoum University**
2014 - 2017
- Self-Study (Online)**

LANGUAGES

- Arabic:** Native proficiency
- English:** Professional proficiency

WORK EXPERIENCE

E-commerce Freelance

Key Features:

- User Management:**
 - Guest registration option.
 - Resend activation email functionality.
 - Achieved a 99.9% Secure login and logout system.
 - User registration with activation email confirmation.
 - User profile management: Change password, reset password, and modify username.
- Product Management:**
 - Maintain a product view history for users.
 - Display a list of products with detailed views.
 - Admin-only feature to assign tags to products.
 - Create, update, and delete product functionalities.
 - Implement product search by title, description, price, and tags.
- Address & Shipping:**
 - Add, edit, and view shipping and billing addresses.
 - Assign nicknames to addresses for easy identification.
 - Reuse addresses during product order for user convenience, reducing time by 50%.
- Order & Payment:**
 - Digital product download, accessible only post-purchase.
 - Verification of order ownership using Ajax to enhance security 99.9%.
 - Incorporate an Ajax-based system to manage and reuse payment methods.
- Communications:**
 - Ajax-driven contact messaging system.
 - Successfully sent activation emails to 100% of new users.
 - Option for admins to toggle user receipt of marketing emails.
 - Auto-fill functionality for contact forms when the user is logged in, cutting time by 70%.
- Analytics & Admin Tools:**
 - Sales analytics visible to staff or admin, visualized with chart.js.
 - Fetch analytics data using Ajax and integrate with marketing emails.
 - Secure the platform with features like verifying order ownership using Ajax.
- Additional Features:**
 - Generate and download detailed product specifications in PDF format.
 - Automated contact information fill-in for logged-in users, reducing time by 45%.

Tweetme Freelance

Key Features:

- User Interface:**
 - Home Page:** Dynamic feed displaying the latest tweets, trends, and user interactions.
 - Admin Control Panel:** Dedicated dashboard for content management, user monitoring, and system settings.
- Tweet Management:**
 - Post & Interact:** Create, retweet, like, and update tweets.
 - Search & Display:** Efficiently search for tweets and display tweet details.
 - Hashtags:** Develop and incorporate hashtag functionality, view tweets associated with specific hashtags.
- User Management:**
 - Account Operations:** Register, log in, log out, and profile management.
 - Social Interactions:** View personal tweets, followers, and those being followed. Interactively switch-following status with users for feed modifications.

Other Projects like:

- Django Projects:**
 - Recipe:** Developed a platform for sharing and exploring recipes.
 - Blog API:** Created a backend API for managing blog posts.
 - URL Shortener:** Built a link-shortening application with Django and MySQL.
 - GitHub Comparison:** Crafted a utility to analyze and contrast GitHub repositories.
 - Image Scanner:** Integrated image scanning functionalities.
- Flask Projects:**
 - Chat App:** Designed a real-time chat application.
 - URL Shortener:** Implemented a URL shortening service using Flask and MongoDB.