Abdelrahman Ahmed Sobhy

Software Engineer

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PROFILE

Back-End Developer with 2+ years of experience in API development, database management, and scalable backend architectures. Skilled in PHP, Node.js, React, and relational databases (Oracle, MySQL), with expertise in data preprocessing, analysis, and machine learning applications. Experienced in building high-performance systems, integrating backend solutions with modern front-end frameworks, and optimizing system efficiency. Passionate about crafting data-driven applications and continuously learning new technologies to drive innovation.

PROJECTS

Microblogging App – Twitter Clone

- **Description:** Developed a Twitter-like microblogging platform using PHP, JavaScript, HTML, CSS, and MySQL following the MVC design pattern for structured code and the Singleton pattern for efficient database management. The platform includes user authentication, posting, liking, retweeting, following/unfollowing, and commenting functionalities. Built with PHP classes it ensures modularity and scalability, while MySQL handles efficient data storage and retrieval for seamless user interactions.
- **Key Achievements:**
  - Implemented the MVC architecture.
  - Used the Singleton pattern to manage database connections efficiently.
  - Developed core social media features.
  - Applied authentication, validation, and SQL injection prevention.
  - Optimized backend queries enhancing system performance & responsiveness.

Mall App – E-commerce Platform

- **Project Description:** Developed a feature-rich eCommerce platform designed to simulate a digital shopping mall, allowing users to explore and purchase products from various categories. Built using PHP, HTML, CSS, and JavaScript, the system leverages Bootstrap templates for a responsive and visually appealing design. The platform includes a secure user authentication system, an interactive user interface, and a robust admin panel with a dashboard for efficient store management. The admin panel provides functionalities for inventory control, order tracking, and user management, ensuring a seamless operational workflow.
- **Key Achievements:**
  - Designed a scalable eCommerce system for seamless product management and order processing.
  - Developed an admin panel with a dashboard for real-time sales and inventory monitoring.
  - Integrated Bootstrap for a responsive UI, ensuring cross-device compatibility.
  - Optimized MySQL database for faster queries and efficient data retrieval.
  - Implemented JavaScript for real-time updates and improved user engagement.
  - Applied security measures like authentication, input sanitization, and encryption.

SKILLS

Advanced PHP, JavaScript, CSS, Java, C++

Intermediate SQL, Node.js, Python, Go Lang

Git & GitHub

Machine Learning Algorithms and Data Pre-processing & Analysis.

REST APIs, OOP, SDLC, Design Patterns, SOLID Principles, Parallel Processing

Time Management & Scheduling

Teamwork & Leadership.

Communication & Presentation Skills

Pressure Handling & Problem-Solving

EDUCATION

Bachelor's in Computer Science   October 2022 – present
Helwan University - FCAIH   Helwan, Egypt