

Medhat Ashour

FRONTEND DEVELOPER

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Objective

Frontend Engineer with over 4 years of experience designing and developing scalable, high-performance applications. Skilled in crafting responsive web and desktop applications using modern technologies like React, Python, and TypeScript. Passionate about building intuitive user interfaces, leveraging distributed systems, and applying security best practices to deliver reliable and innovative solutions. Dedicated to continuous learning and driving efficiency through automation and collaborative teamwork.

Experience

Outsource software engineer (SRE) May 2025 – now Microsoft

- Overhauled and maintained the CI/CD pipeline for Copilot Chat, supporting structured patch deployment, automated rollout strategies, and safe rollback mechanisms.
- Built scalable YAML workflows and automated tasks with PowerShell and TypeScript to streamline deployments and boost team efficiency..
- Designed and executed unit tests to benchmark system performance, helping identify bottlenecks and optimize release quality.
- Specialized in Continuous Integration and Continuous Delivery (CI/CD) methodologies, contributing to high reliability across environments.

Full stack engineer Abril 2025 – Jul Eng techno Kafr El-Shaikh, Egypt

- Developed and maintained mobile applications using React native, react hook form
- Developed and maintained web applications using React, Redux, and Tailwind CSS...
- Integrated APIs with Axios for efficient data fetching, improving data retrieval speed by 40%.

Frontend developer Aug 2024 – Dec 2024 LeadBull Cairo, Egypt

- Developed and maintained web applications using React, Redux, and Tailwind CSS...
- Integrated APIs with Axios for efficient data fetching, improving data retrieval speed by 40%.
- Collaborated with UX/UI designers to bring designs to life, enhancing user satisfaction scores by 25%.
- Implemented secure authentication and token refresh mechanisms to enhance protection, achieving a 100% compliance rate with security standards.
- Conducted code reviews and provided mentorship to junior developers

software engineer May 2022 - Jan 2024 Ronan medical

- Created an intuitive and modern GUI for brain activity measurement software, enhancing the user experience and facilitating efficient data interaction.
- Designed and implemented a local database to store critical data efficiently,

- Designed and managed the data flow within the application using Object-Oriented Programming (OOP) principles, ensuring seamless communication between components and improving system reliability by 30%. This structured approach facilitated better maintainability and scalability of the application.
- Enhanced the performance of data plotting using PyQtGraph, optimizing real-time visualization of brain activity, leading to a 15% reduction in processing time.

Education

Bachelor of Electrical Engineering, Major in Computer Engineering AND Control Systems Jul 2017 - Jan 2022 University of Kafr El_Sheikh

- Developed responsive web applications using React.js.
- Developed desktop application and GUI for control units with python and PyQt
- Created innovative projects with Raspberry Pi and Arduino, including microcontroller programming and automation.
- Participated in coding competitions, securing top positions.
- Engaged in seminars and workshops to stay updated with advanced technologies.

Projects

Mega Course

Developed a Learning Management Application where teachers can upload courses and students can enroll in them. The application leverages modern web technologies (Next js)and AWS services to ensure scalability, performance, and maintainability.

LeadBull

Developed user and admin dashboards for Lead Bull using React, Redux, and Tailwind CSS. The user dashboard features real-time data visualization and secure authentication. Meanwhile, the admin dashboard includes tools for user management and data analytics. These enhancements have significantly improved the platform's efficiency. the platform's efficiency

doctorApp

Developed a fullstack web application using React, Node.js, and MongoDB for appointment booking and management. Integrated features for user authentication, admin dashboard, and doctor availability. Successfully utilized Cloudinary for image storage.

Blackhorse

- Created a comprehensive software solution for small businesses, focusing on sales management and inventory tracking.
- Utilized modern technologies and best practices to ensure system reliability and scalability.
- Improved sales management efficiency, resulting in a 30% reduction in manual errors and a 25% increase in sales processing speed.
- Enhanced inventory tracking accuracy by 40%, leading to better stock management and reduced wastage.
- Achieved a 20% increase in customer satisfaction through user-friendly interfaces and reliable performance

Mazboot

It was a graduation project Developed a 3D e-commerce platform as a graduation project, combining human body models and product models for an immersive shopping experience. Enhanced user engagement with an innovative 3D interface, leading to a 40% increase in user interaction time

Skills & abilities

Web & Mobile Development

- **Programming Languages & Frameworks:** Proficient in JavaScript, TypeScript, React.js, Redux, Tailwind CSS, Express.js, Node.js, FastAPI, React Native, and Next.js..
- **Databases:** Experienced in MongoDB, sqlite , postgresSQL
- **Version Control:** Skilled in Git, utilizing platforms like GitHub.

Desktop Development

- **Programming & Tools:** Proficient in Python, SQLAlchemy, SQLite, and MySQL.
- **GUI Development:** Skilled with PyQt and PySide for creating desktop applications.
- **Deployment:** Familiar with packaging and deployment using FBS.