Mostafa Mohamed Nagueb

Senior Frontend Engineer | MERN Stack Specialist

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Professional Summary

Senior Frontend Developer with 8+ years of experience delivering scalable, high-performance web applications. Expert in the **MERN stack**, modern frontend architectures, and responsive UI/UX design. Demonstrated leadership in driving frontend standards, optimizing performance, and collaborating cross-functionally with backend teams using **ASP.NET CORE** to deliver reliable, maintainable, and user-focused products

Core technical Skills

- **FRONT-END**

  React.js, Next.js, Tanstack, TypeScript, HTML5, CSS3, SASS/SCSS, Tailwind CSS, Bootstrap, Webpack, Vite.

- **BACK-END**

  Node.js, Express.js, ASP.NET Core, MongoDB.

- **TESTING & QA**

  Jest, Cypress, React Testing Library.

- **METHODOLOGIES & TOOLS**

  Agile (Scrum), Jira, Azure DevOps, CI/CD, Git, Docker, Azure, AWS.

- **CONCEPTS**

  Micro-frontends, Server-Side Rendering (SSR), Progressive Web Apps (PWA), Accessibility (WCAG), Web Performance Optimization (Core Web Vitals).

Professional Experience

KFU "King Faisal University" - Sr Frontend Developer & UI/UX Designer ---------------- Oct 2019 - Present

Leading the front-end engineering for most of the university's E-Services.

- **Developer Experience (DX):** Engineered a custom npm-based boilerplate for React and ASP.NET Core project, reducing new project initialization time by **70%** and standardizing deployment workflows.
- **Architectural Optimization**: Designed a direct-to-service communication model, aggregating data from disparate sources within the Frontend application. This removed the need for intermediate backend layers, significantly reducing infrastructure complexity and code duplication.
- **Government Integration:** Led the technical integration of university services with the national platform (Tawakkalna), strictly adhering to DGA regulatory requirements and performance benchmarks.

ITGEEKS - Sr Frontend Developer --- Aug 2018 – Feb 2019

Leading front-end architecture for high-traffic SaaS platform.
- **Real-Time data engineering:** Engineered a resilient real-time layer using **WebSockets (Socket.io)** and **React,** implementing intelligent throttling and data-diffing strategies to render high-frequency updates without compromising UI performance.

DigiSail - UI/UX Designer & UI Developer --- Oct 2017 – Jul 2018

Leading the real state product development process from design to execution.
- **End-to-End Product Design:** Managed the full product lifecycle for a property listing platform, translating high-fidelity prototypes into pixel-perfect components, ensuring 100% design consistency across all devices.
- **Interactive Search Experience:** Designed and developed a dynamic, map-based property search interface. Optimized UX for advanced filtering (price, location, amenities).

Key Projects
- [Fawateri](#) – **AI-Powered Financial Management Platform**
  - **Role:** Lead Full Stack Architect.
  - **Tech Stack:** React, React Native, Node.js, OpenAI API (LLM), MongoDB.
  - **Smart Features:** Developed a conversational AI assistant using **(LLMs)** to analyze user spending habits and provide personalized financial advice in real-time.
  - **Implementation:** Managed the full stack development (Backend/Frontend/Mobile), bridging business logic with technical execution to deliver a market-ready product.

- [UPLY Academy](#) – **IT Skills Development Platform**
  - **Project Overview:** Developed a comprehensive EdTech platform designed to empower professionals with advanced IT skills.
  - **Role:** Lead Frontend Stack Architect.
  - **Tech Stack:** MERN Stack (Next.js edition).

- **Tawakkalna Embedded services** – **Embedded KFU Services in Tawakkalna App**
  - **Role:** Lead the integration with tawakkalna app.
  - **Implementation:** developed the KFU services to align the tawakkalna app integration

- **AI Visualization**
  - o **Project Overview:** 3D vector reacting with audio speech as a package to be ready for integration with AI Assistant.
  - o **Tech Stack:** JS, OpenAI API (LLM) API, WebGL, Nodejs.
  - o **Role:** Lead Full Stack Architect.

- [Primary](#) – **POS Ecosystem**
  - o **Role:** UI/UX Designer & Frontend developer.
  - o **Modules:** POS, Kitchen Display (KDS), Customer Display (CDS), E-commerce Store.
  - o **Contribution:** Managed the entire product lifecycle from conceptual UI/UX design in **Figma** to final frontend deployment.

- **A11y Engine** – **WCAG (Web Content Accessibility Guidelines) Integration Tool.**
  - o **Role:** Lead Full Stack Architect.
  - o **Solution:** Engineered a framework-agnostic accessibility widget designed for "plug-and-play" integration into any web application (React, Angular, Legacy HTML).
  - o **Standards:** Ensured full compliance with **WCAG 2.1 Level AA** and **ADA** standards, using semantic HTML injection and ARIA attribute management.

Education

Bachelor in Computer Science
Oct 2013 - Jun 2017
Very Good with honors Degree

Personal Information

Date of Birth	: 20 / 10 / 1994
Marital Status	: Married
Nationality	: Egypt

Language

Arabic	: Native Speaker
English	: Very Good