

Mazen Emam

Software Engineer specializing in frontend development with 4+ years of experience building scalable web applications that drive business results. I help companies enhance user experiences and operational efficiency through data-driven solutions, having contributed to platforms serving manufacturing, analytics, and recruitment sectors across MENA and Europe.

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[Medium/mazenemam19](#)

[Portfolio/mazenemam19](#)

WORK EXPERIENCE

Siren Analytics, Beirut, Lebanon— *Software Engineer*

June 2025 - Present

Data intelligence company providing digital transformation services to the public and private sectors across Lebanon and the Middle East.

- Drive front-end development excellence and establish team standards while supporting company expansion from MENA to European markets
- Lead technical initiatives that enhance application reliability and create development processes for improved team collaboration
- Implement React Compiler integration, achieving a reduction in unnecessary re-renders
- Build a comprehensive WebSocket notification system with SockJS/STOMP integration for real-time collaboration
- Resolve critical security vulnerabilities, including authentication race conditions
- Establish a TypeScript enforcement pipeline, reducing runtime errors

Garment IO, Giza, Egypt— *Mid-Senior Frontend Engineer*

May 2023 - June 2025

SaaS solution helping labor-intensive manufacturing companies enhance productivity through real-time production floor data collection.

- Led development initiatives across multiple product offerings, mentored junior developers, and established quality assurance processes
- Led migration from CRA to Vite, reducing build time by 50% and improving local development speed by 5x
- Introduced TypeScript to a JavaScript-only codebase through an incremental migration strategy
- Implemented Sentry monitoring, reducing issue resolution time and improving reliability
- Conducted comprehensive code reviews, identifying and resolving memory leaks
- Implemented a business intelligence tool, improving data analysis and decision-making
- Optimized codebase maintainability through modular components and reusable hooks
- Refactored legacy code, reducing reported bugs in refactored components
- Mentored junior developers on best practices, increasing team efficiency

TECHNOLOGIES

Proficient

React.js · TypeScript ·

JavaScript · Redux/Redux

Toolkit · React Query ·

Material-UI · Vite · HTML · CSS

· SASS · Bootstrap · Git

Familiar

Next.js · Node.js · Express ·

MongoDB · GraphQL ·

WebSocket/STOMP · MobX ·

Sentry · Jira · Jest · Vitest ·

React Testing Library · AWS ·

Docker · Webpack

Education

Udacity

[React Nanodegree](#)

Jul 2022 - Aug 2022

Free Code Camp

[JavaScript Algorithms And Data Structures](#)

Jun 2022 - Jul 2022

Information Technology Institute

[MEARN Track, 3 Months diploma](#)

Sep 2020 - Dec 2020

Alexandria University

BSc. in Management
Information Systems, Faculty
of Commerce

Oct 2013 - Jul 2017

References upon request!

AsgaTech, Giza, Egypt— *Frontend Engineer*

Nov 2022 - May 2023

Custom software development company with 19-year MENA presence and offices across Saudi Arabia, UAE, and Egypt.

- Developed recruitment platform features focusing on component reusability and performance optimization
- Built reusable components, reducing development time by 50%
- Enhanced app startup speed by 35% through image optimization and lazy loading
- Streamlined global state management, reducing backend server load
- Implemented localization and API integrations, improving loading times
- Translated UI designs into responsive views, ensuring a seamless cross-device experience
- Collaborated through pair programming, increasing code quality, and reducing bug reports

Akwad, Alexandria, Egypt— *Frontend Engineer*

Oct 2021 - July 2022

Custom technology solutions and component library development company.

- Developed comprehensive UI component systems and mentored junior team members
- Established development standards and API consistency protocols, improving project efficiency
- Developed a dynamic component library, reducing page development time by 90%
- Mentored two junior developers, increasing team productivity
- Standardized API endpoint responses ensure consistency and minimize bugs
- Reviewed peer code contributing to the reduction in post-deployment issues
- Built complex, reusable components, improving development efficiency
- Identified and reported API issues, facilitating timely fixes and minimizing frontend bugs

PROJECTS

Trackstube ([Github](#) - [Live](#)).

- Music streaming app with ad-free YouTube integration and social sharing features using GraphQL and Apollo Client..
- Technologies: JavaScript · React · Apollo Client · GraphQL · Material-UI

Cart ([Github](#) - [Live](#))

- E-commerce shopping cart application with robust state management using Redux Toolkit and TypeScript for type safety.
- Technologies: TypeScript · React · Redux Toolkit · React Router · Vite

YelpCamp ([Github](#) - [Live](#))

- Full-stack campground review platform with authentication, authorization, image upload, cluster mapping, and comprehensive security features.
- Technologies: JavaScript · Node.js · Express · MongoDB · Mongoose · Mapbox · Passport

LANGUAGES

Arabic Native

English Fluent

References upon request!