

# KARIM MUHAMAD

## SENIOR FRONTEND ENGINEER

Cairo, Egypt | karimmuhamadfc@gmail.com | Portfolio | Github | +20 100 986 2431

### SUMMARY

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Senior Frontend Engineer with 4+ years of professional experience architecting and delivering high-performance web applications using React.js, TypeScript, and Next.js. Expertise in building scalable, accessible, and responsive user interfaces with a strong focus on web performance optimization, component-driven architecture, and cross-functional collaboration. Track record of shipping SaaS platforms, e-commerce solutions, and enterprise-grade applications that measurably improve conversion rates, user retention, and revenue.

### PROFESSIONAL EXPERIENCE

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#### Senior Frontend Engineer | Macqueen

Mar 2025 – Present

- Architect and maintain B2B and B2C flight reservation platforms built with React.js and Next.js, serving high-traffic booking flows with a focus on scalability and reliability.
- Engineered performance-optimized UI components leveraging code splitting, lazy loading, and server-side rendering (SSR), significantly reducing page load times and improving user retention.
- Designed and implemented intuitive multi-step booking components that streamlined the reservation workflow, contributing to measurable increases in conversion rates.

#### Frontend Engineer | Pharaohsoft

Dec 2022 – Mar 2025

- Developed and maintained scalable SaaS applications for restaurant operations and event management, supporting multi-tenant architectures with React.js, Next.js, and TypeScript.
- Optimized Core Web Vitals and frontend performance through bundle analysis, image optimization, and caching strategies, resulting in faster page loads and improved user retention.
- Designed and built reusable, dynamic UI component libraries using React.js and Next.js, reducing user drop-off rates and accelerating feature development cycles.
- Integrated WebSocket-based real-time chat and push notification systems, increasing user engagement and platform interactivity.

#### Military Service | Egyptian Armed Forces

Nov 2021 – Nov 2022

- Completed mandatory military service in the Egyptian Armed Forces.

#### Freelance Frontend Engineer

Jan 2020 – Nov 2021

- Designed, developed, and deployed custom web applications for multiple clients across diverse industries, consistently achieving high client satisfaction and repeat engagements.
- Built and maintained e-commerce storefronts and portfolio websites using React.js, TypeScript, and Redux, driving an average 20% increase in client revenue through improved UX and conversion optimization.

### PROJECTS

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#### Macqueen | macqueen.co

Apr 2025 – Present

*Next.js Travel Platform — Flights & Accommodation Booking*

- Built a full-stack Next.js travel platform enabling real-time flight and accommodation search, comparison, and booking with a seamless, responsive user experience.
- Enhanced search accuracy, booking flow logic, and UI/UX for the B2B portal, improving partner satisfaction and operational throughput.

#### ConnectX | connectxsaudi.com

Feb 2025 – Present

*AI-Powered Voice Agent Platform*

- Developed a scalable web platform and analytics dashboard using Next.js and Tailwind CSS for managing and monitoring real-time AI voice agents.

- Implemented dynamic UI components for agent interaction workflows, voice call tracking, and performance analytics.
- Delivered a fully responsive, high-performance frontend that improved user engagement and operational efficiency across the platform.

### Jazri AI | jazriai.com

Oct 2023 – Present

#### MERN-Stack AI Tool Discovery Platform

- Engineered a fully responsive UI with React.js, increasing user engagement through intuitive navigation and search functionality.
- Developed RESTful backend services using Node.js and Express.js, ensuring fast API response times and reliable data handling.
- Integrated MongoDB for efficient data storage and implemented real-time conversational chat powered by OpenAI API.

### Food2bits | food2bits.com

Jan 2024 – May 2024

#### SaaS Platform for Restaurant Operations Management

- Integrated third-party payment gateways and subscription management modules for seamless, secure transaction processing.
- Developed point-of-sale (POS), coupon engine, and inventory management features, streamlining daily restaurant operations.
- Implemented a three-layer scheduling system for staff shift planning and designed dynamic drag-and-drop floor plan layouts.

### Shura Council Website | shura.bh

Aug 2023 – Mar 2024

#### Government Website for Legislative Processes

- Built a content management system (CMS) with role-based access control (RBAC) for secure user, role, and content administration.
- Implemented news version control and structured content organization, improving editorial workflows and accessibility.
- Optimized content taxonomy and information architecture for efficient search and retrieval.

## SKILLS

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### Frontend

React.js, Next.js, JavaScript (ES6+), TypeScript, Redux, Redux Toolkit, WebSockets, HTML5, CSS3, Responsive Design

### Backend & APIs

Node.js, Express.js, RESTful API Design, API Integration

### Performance & Tools

Webpack, NPM, Yarn, Gulp, SEO, Core Web Vitals, Web Performance Optimization, Caching, Code Splitting

### UI Libraries & Frameworks

Tailwind CSS, Chakra UI, Shadcn UI, NextUI, Bootstrap

### Databases

MongoDB, SQL

### Workflow & DevOps

Git, CI/CD Pipelines, Agile/Scrum, Search Engine Indexing, Cross-Browser Compatibility, Accessibility (a11y)

## EDUCATION

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### Bachelor of Computer Engineering | Helwan University

Aug 2016 – Feb 2021

- **Specialization:** Information Systems
- **Graduation Project:** QR Code Attendance System (Laravel backend, Java mobile frontend)

## CERTIFICATIONS & ADDITIONAL INFORMATION

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- **Frontend Web Developer Nanodegree Program** — Udacity
- **Languages:** Arabic (Native), English (Professional Working Proficiency)
- **LinkedIn:** linkedin.com/in/kariim-muhamad