KAREEM ZAKARIA MAHMOUD

Frontend Developer — Angular Specialist

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PROFESSIONAL SUMMARY

Frontend Developer with 2+ years of production experience specializing in Angular (v18–21), building scalable, high-performance enterprise applications — from real-time dashboards to bilingual (Arabic/English, RTL/LTR) e-commerce platforms and logistics systems. Strong focus on clean architecture (repository/service patterns), reusable component libraries, performance optimization, and delivering polished, user-focused UX. Comfortable owning features end-to-end, from API integration to production deployment.

TECHNICAL SKILLS

Core: Angular 18–21 (Standalone Components, Signals, Dependency Injection, HttpClient, Router & Guards), TypeScript, RxJS, JavaScript (ES6+)

Architecture & Patterns: Repository/Service/Mock layering, Lazy Loading & Code Splitting, HTTP Interceptors, Reusable Component Libraries, Role-Based Access Control

UI & Styling: SCSS, Bootstrap 5, Angular Material, PrimeNG, Tailwind CSS, Responsive & Mobile-First Design, Custom Design Systems

Internationalization: ngx-translate, custom signal-based i18n services, RTL/LTR bilingual support (Arabic/English), i18n architecture

Rendering & Performance: Angular SSR (Server-Side Rendering), Hydration, Performance Optimization, Bundle Optimization

Animation: GSAP / ScrollTrigger

Integrations: REST API Integration, Payment Gateways (Paymob), Real-Time Updates (SignalR), Sentry Error Tracking, Excel/PDF Export (ExcelJS, jsPDF)

Testing & Tooling: Vitest, Jasmine/Karma, Git/GitHub, Angular CLI, esbuild/Vite, Docker, CI/CD Pipelines

EXPERIENCE

Frontend Developer | AI Cloud (Egyptian–Saudi software company) **Jul 2024 – Present**

- Built real-time Angular dashboards with live sensor data integration, serving multiple user roles with role-based views and permissions.
- Developed and shipped bilingual (Arabic/English) websites for Saudi Arabian clients, including a Next.js company site with static export, security hardening, and production deployment.
- Built the company's own corporate marketing website, then led a full framework migration from Next.js to an Angular 18 standalone-components SPA, preserving 1:1 UI/UX and animation fidelity across both stacks.
- Collaborated cross-functionally across diverse specialties — backend, UI/UX, Flutter, and graphic design — to deliver client projects end-to-end.

KEY CLIENT PROJECTS (DELIVERED AT AI CLOUD)

AlSalam International — Logistics & Import Management Platform — Angular 21, PrimeNG, ngx-translate, Vitest

- Client: AlSalam International, a leading logistics and import company operating in Egypt and Saudi Arabia.
- Architected a modular enterprise system for logistics and import operations with a strict repository/service/mock-driven data layer, enabling seamless switching between mock and live APIs during development.
- Delivered core business modules — Shipments, Suppliers, Companies, Products, Employees, Documents, and Reports — backed by a shared, reusable table component library.
- Built full RTL/LTR bilingual support (Arabic/English) and productivity features including a command palette (Ctrl+K), keyboard shortcuts, sticky table headers, draft autosave, and PDF/image viewers.
- Implemented Excel export, QR code generation, and PDF reporting for operational workflows; covered core logic with Vitest unit tests.

E-Commerce Platform (Storefront + Admin Dashboard) — Angular 21 (SSR), Angular Material, RxJS, Paymob API

- Built a server-side rendered (SSR) storefront with hydration-safe, cookie-based authentication and a dynamic theme system driven by store-configuration APIs.

- Integrated the Paymob payment gateway for secure checkout, and Sentry for production error tracking and sourcemap monitoring.
- Delivered full Arabic/English RTL localization across storefront and admin experiences using ngx-translate.
- Built a companion admin dashboard for store management with calendar-based scheduling (FullCalendar), banner management, and analytics views.

CleanTech — Facility Management System — Angular 19, SignalR, i18n

- Built an enterprise multi-tenant facility management platform covering shifts, tasks, inventory, and attendance across 20+ business entities.
- Implemented lazy-loaded, role-based architecture with HTTP interceptors, real-time SignalR updates, and reusable CRUD modules with PDF/Excel reporting.

MedGate — Healthcare Landing Website — Angular 18, Bootstrap 5

- Built a responsive, multilingual healthcare marketing site with lazy-loaded, modular routing and smooth hash-based navigation.

AI Cloud Corporate Website — Next.js & Angular 18, Tailwind CSS, GSAP

- Built the company's own corporate marketing website, then led a full framework migration from Next.js to an Angular 18 standalone-components SPA — porting all 8 pages and 50+ components with 1:1 UI and animation fidelity.
- Developed a custom signal-based translation service replicating instant Arabic/English (RTL/LTR) runtime switching with persisted language preference, matching the original implementation's UX with zero page reloads.
- Ported all GSAP/ScrollTrigger scroll animations and interactive UI — mega-menu header, dropdowns, product carousel — into Angular's component lifecycle (ngAfterViewInit/ngOnDestroy), preserving full responsiveness across breakpoints.
- Diagnosed and fixed Angular-specific production issues, including CSS custom-property scoping under view encapsulation and build-pipeline configuration (lazy-loaded routes, bundle budgets).

EDUCATION

Information Technology Institute (ITI) — Intensive Code Camp, Full Stack (MEARN) Oct 2023 – Mar 2024

B.Sc. Computer Science — Faculty of Computers & Information, Kafrelsheikh University 2016 – 2020