

# ZIAD HATEM

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Frontend Engineer — React, Next.js, and TypeScript. Building and maintaining production web applications for enterprise clients, with a focus on performance, accessibility, and automated testing.

## Experience

### Brackets Technology Frontend Developer

Jeddah, Saudi Arabia (Remote)  
Nov 2024 – Present

- Build and deliver production frontends for Saudi enterprise clients in React, Next.js, and TypeScript; three sites currently live: [juffalitrucks.com](https://juffalitrucks.com), [jic.edu.sa](https://jic.edu.sa), [jpgs.org](https://jpgs.org)
- Built the 50+ item vehicle catalog storefront frontend for [juffalitrucks.com](https://juffalitrucks.com) — browsing and filtering (class, model line, configuration, held in the URL) and vehicle spec pages
- Migrated [jic.edu.sa](https://jic.edu.sa)'s bilingual (EN/AR), CMS-driven (Statamic CMS via GraphQL) site from Next.js 14 to 15 and authored a 16-part, file-and-line-cited architecture knowledge base
- Led a from-scratch, bilingual (EN/AR) Next.js rebuild of [jpgs.org](https://jpgs.org)'s full marketing site (WordPress → Next.js), ~84 route-driven components with RTL-ready i18n routing
- Built and maintain a shared React/TypeScript/Tailwind component library used across 50+ enterprise products
- Write automated tests with Playwright

## Projects

### OpsDesk — Support Operations Console

Jul 2026

Personal project · [ops-desk.ziadhate.dev](https://ops-desk.ziadhate.dev) · [github.com/ziad-hatem/OpsDesk](https://github.com/ziad-hatem/OpsDesk)

*Next.js 16, React 19, TypeScript, Supabase, Redux Toolkit, Tailwind CSS, Stripe, Vitest, Playwright*

- Designed and built a support-operations console covering tickets, orders, customers, incidents, SLA/escalation rules, trigger-based automation, role-based access control, reporting, and a customer portal (~44 Postgres tables)
- Implemented the full auth stack: NextAuth v5 bridged to Supabase Auth, Google OAuth, passwordless magic links, WebAuthn passkeys, and email-code MFA step-up
- Implemented role-based access control: 4 system roles plus custom roles with permission overrides and an approval-request workflow
- Integrated Stripe payments — Payment Intents and webhook-driven event handling
- Measured on the live production build: Lighthouse 100 (desktop) / 96 (mobile) performance, 100 accessibility, 100 best practices (Jul 2026)
- 61/61 unit and component tests passing (Vitest), plus 12 Playwright e2e specs

### Nexus Orchestrator — Workflow Automation Engine

Apr 2026

Personal project · [nexus-orchestrator.ziadhate.dev](https://nexus-orchestrator.ziadhate.dev) ·

[github.com/ziad-hatem/Nexus-Orchestrator](https://github.com/ziad-hatem/Nexus-Orchestrator)

*Next.js 16, React 19, TypeScript, Supabase (hand-written SQL migrations), Zustand, Sentry*

- Built a workflow-automation engine: webhook trigger ingestion with rate limiting, a condition evaluator, and pluggable action executors (email via Resend, outbound webhooks)
- Built the execution runtime: Postgres-backed queue drained by a standalone worker process with polling, heartbeats, and retry backoff, plus an operations dashboard surfacing backlog and stale-run alerts
- Hardened for production: recursive secret redaction across Sentry events and audit logs, double payload-size checks on inbound webhooks, and retention-policy pruning scripts
- Gated each of 8 sequential build phases behind its own test suite — 54 test files total (Node's built-in test runner)
- Measured on the live production build after the mobile performance fix: Lighthouse 95 (desktop) / 81 (mobile) performance, 96 accessibility, 100 best practices, 100 SEO (Jul 2026)

## Skills

**Languages & Frontend:** TypeScript, JavaScript, SQL, HTML, CSS · React, Next.js (App Router), Tailwind CSS, Radix UI, React Hook Form, Zod, component architecture

**State, Platform & Auth:** Redux Toolkit, Zustand, REST APIs, GraphQL · Supabase (Postgres, Auth, Realtime, Storage), NextAuth, WebAuthn passkeys, Stripe, Resend

**Testing, Performance & Accessibility:** Vitest, React Testing Library, Playwright · Core Web Vitals, Lighthouse, WCAG, ARIA

**Tools:** Git, GitHub Actions, Vercel, Sentry

**Language:** Arabic (native), English (professional working proficiency)

## Education

### October 6 University

B.Sc., Computer and Information Sciences

Cairo, Egypt  
Sep 2025 – Expected 2029

### Harvard University (online, edX)

CS50: Introduction to Computer Science

Cambridge, MA  
2023

### Coursera

Meta Front-End Developer Professional Certificate

Online  
2023