ABD ALFTAH SALEM

Senior Flutter & Full-Stack Engineer — Flutter (iOS & Android) · Node.js · NestJS

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Portfolio · 26 case studies: abd-alftah.sites.tab.bot · LinkedIn: linkedin.com/in/abd-alftah-salem
Available for remote work · GMT+2 (full overlap with EU/CET) · Can start immediately

Senior Flutter engineer with 4+ years shipping production apps: **14 iOS/Android apps live on the stores, 6 with 10K+ installs**, taken from API to app-store release.
Also backend: built an ERP WhatsApp API with **10M+ messages, 320+ concurrent sessions and 300+ business clients** · creator of Thunder CLI and cache_nexus.

14	6	10M+	6
LIVE STORE APPS	APPS WITH 10K+ INSTALLS	WHATSAPP MESSAGES	PUBLISHED PACKAGES

TECHNICAL SKILLS

Mobile	Flutter, Dart, iOS & Android, Riverpod, Bloc/Cubit, GetX, Provider, Clean Architecture, go_router, Dio/Retrofit, offline-first (drift/SQLite, Hive), Firebase & FCM push, WebSockets, Agora live streaming, in-app video editing, SUNMI POS integration
Backend	Node.js, NestJS, TypeScript, Express, REST, GraphQL, Socket.IO, TypeORM, PostgreSQL, MySQL, OracleDB, Redis, BullMQ, Bull, RabbitMQ, JWT auth, OpenAPI/Swagger, S3-compatible storage, WhatsApp (Baileys) & Meta APIs
Web	Next.js, React, TypeScript, Tailwind CSS, Arabic RTL / English interfaces
AI	LLM agents with tool calling, RAG with pgvector
DevOps	Docker & docker-compose, GitHub Actions, Codemagic, Linux server administration (7 production servers), monitoring dashboards, automated backups, Git
Testing	Jest, Playwright, Flutter unit/widget/integration tests
Payments	Stripe, Tamara, Mada, Paymob

PROFESSIONAL EXPERIENCE

Senior Full-Stack Developer (NestJS + Flutter) — Elitesoftsys · Remote · Part-time — Apr 2026 – Present

- Engineered a multi-session WhatsApp messaging API integrated into the company ERP to automate transactional notifications: **320+ concurrent sessions, 300+ business clients, 10M+ messages delivered**.
- Built a companion Flutter app giving business customers analytics on sales, income and expenses, with reporting.
- Refactored a private Flutter reporting app (500+ Dart files, Cubit): code audit with 63 findings, reusable chart/table widgets, all data from the live API, and end-to-end tests covering all 48 reports and dashboard KPIs.
- Built high-volume dispatch on Bull and RabbitMQ queues; deployed services with Docker; administer **7 production servers**, PostgreSQL, monitoring dashboards, session-health checks and centralized backups.

Senior Flutter Developer — FirstCode · Contract · Remote (Riyadh, Saudi Arabia) — Jun 2025 – Nov 2025

- Sole Flutter developer of **Kasir** (app.kasir.live), a TikTok-style social app for iOS and Android, built end to end.
- Shipped multi-guest **Agora live streaming** with in-live gifting and permissions, real-time comments and moderation.
- Built real-time chat over **WebSockets**, an in-app video editor (crop, trim, mute, audio overlays), video pre-loading for an instant feed, and background uploads.

Flutter Developer — HarazSoft · Remote — Feb 2022 – Oct 2023

- Sole Flutter developer shipping and maintaining published apps, live today:
  - **Al Haraj Yemen**: classifieds marketplace · 1K+ installs, 4.8★ · Google Play
  - **Quick Yemen**: food & shopping delivery · 1K+ installs · Google Play
  - **Naif Clinic**: clinic booking, iOS & Android · App Store
  - **Dabdoub Events**: events and parties app · Google Play
- Integrated REST and GraphQL APIs with GetX and Clean Architecture; automated every release with Codemagic CI/CD.

Mobile Developer (Flutter) — Atyaf For Technology · Freelance · On-site, Gaza — Apr 2022 – Oct 2023

- Built client apps live on Google Play:
  - **Saudi Bazaar**: e-commerce marketplace · 10K+ installs · Google Play
  - **Saudi Souq**: marketplace app · 10K+ installs · Google Play
  - **Maazim**: gift-delivery app for Saudi occasions · 5K+ installs · Google Play

- Built **Atyaf Petrol** (private client app): fuel-station management with loyalty points, QR handling, invoice printing and SUNMI POS hardware integration.

Flutter Team Lead — Freelance client projects · Remote

- Led Flutter delivery of client apps, all live on Google Play:
  - **Deli Pizza**: 10K+ installs · pizza-chain ordering with menu customization, delivery/pickup, branch locator and payments · Google Play
  - **Reinvest**: 10K+ installs · Saudi real-estate investment platform with market analytics, bilingual · Google Play
  - **TAKKA**: 10K+ installs · food delivery · Google Play
  - **Tawjihi AI**: 5K+ installs, 4.9★ · AI exam prep with explanations, quizzes, past exams and progress tracking · Google Play
  - **LOCALS**: 5K+ installs, 4.9★ · local food discovery · Google Play

Flutter Developer — Freelance client projects · Remote

- Developed client apps live on both stores:
  - **Imamz**: 10K+ installs · digital Haramain guide: imam and muezzin schedules, adhan, daily recitations and a sermon archive · Google Play · App Store
  - **Arkhas**: 5K+ installs, 4.9★ App Store · Saudi coupons and cashback: daily discount codes, cashback wallet with bank and gift-card withdrawals, deal alerts · App Store · Google Play

OPEN SOURCE

- **Thunder CLI** v3.0.0 · Creator and maintainer · pub.dev · GitHub. Flutter project generator I built in 2023, before AI coding tools, to stop hand-creating the same folders and files for every project. v3 scaffolds **GetX, BLoC or Cubit** apps from a template repo (with offline fallback), plus feature, model, API-client and localization generators; 32 releases, 41 unit tests, 160/160 pana score on the release branch.
- **cache_nexus** v1.1.0 · pub.dev · GitHub. Offline-first data layer for Flutter: two-tier TTL cache, 5 cache policies, AES-GCM encryption, per-user scoping, reactive streams and offline write sync; **188 tests, 96% coverage**.
- **flutter-remote** v0.2.2 (Node.js) · npm · GitHub. CLI that runs a Flutter app in a real iOS Simulator on a GitHub-hosted Mac and streams it to the browser over **WebRTC**: iOS development without a Mac; 45 end-to-end tests.
- **thunder_api** v1.1.0 · pub.dev · GitHub. Dart CLI that turns comments above Node.js controller methods into a Postman v2.1 collection, a docs page and Express route files; 160/160 pana score on the release branch.
- **tradingview_ta** v2.1.0 · pub.dev: TradingView technical-analysis client for Dart/Flutter (91 indicators per symbol) · **thunder_encryption** v1.1.0 · pub.dev: zero-dependency English/Arabic text cipher · **Trteel** (TypeScript, Next.js 16): in-browser studio that exports Quran recitation videos as MP4 via WebCodecs.

SELECTED PRIVATE PROJECTS

Wasl Pro — Founder & Lead Engineer PRIVATE PROJECT — Apr 2026 – Present

- Multi-tenant AI sales and booking platform: one inbox for WhatsApp, Messenger, Instagram, Telegram and a website chat widget, where an AI agent answers in Arabic or English from each store's real catalogue, stock and booking slots.
- Lead engineer across the **Flutter** merchant app (Riverpod, drift, FCM push), the NestJS backend, the WhatsApp bridge and the Next.js dashboard: one codebase, two processes (API + BullMQ worker), PostgreSQL 16, Redis 7, Socket.IO.
- Engineered a reliable, restart-safe WhatsApp sending layer. 4 repositories, **3,849 backend + 140 bridge tests passing**.

Daw — Creator & Lead Developer PRIVATE PROJECT — Not publicly deployed

- Offline-first, multi-school learning platform for classrooms where internet and power come and go: a **Flutter** app, five Next.js role portals and a NestJS API.
- Made **drift (SQLite)** the app's source of truth: screens read only the local database, offline work waits in an outbox and syncs through idempotent mutations with explicit conflict rules (Riverpod state).
- Built classroom sharing with no internet: the teacher's phone serves lessons over local Wi-Fi via QR, streaming resumable 256 KB chunks verified by SHA-256; Arabic-aware short-answer grading.
- **451 automated tests** across API, web and mobile; 27 backend modules; Arabic RTL + English.

EDUCATION

B.Sc. Computer Systems Engineering — Al-Azhar University, Gaza · Grade 83% — 2019 – 2024

LANGUAGES

Arabic (native) · English (professional working proficiency)