

Abdulraoof Aldabil

Platform & Full-Stack Engineer / Frontend Lead

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SUMMARY

Platform engineer who builds the systems other teams ship on. Creator and architect of CMS Cloud, a self-hosted headless CMS now serving three production brands from a multi-region deployment covering GDPR and PDPL residency. Full-stack across Fastify, PostgreSQL and Redis on the back end and React/Next.js on the front. Top contributor to a 24-app monorepo powering ticketing for webook.com, the AFC Asian Cup 2027, Riyadh Season, the F1 Saudi Arabian GP, and more. Maintainer of an open-source React scheduler at 11.5k downloads a month.

WORK EXPERIENCE

Senior Frontend Engineer / Team Lead, Halayalla / webook.com

2022/10 - Present | Riyadh, Saudi Arabia

- Led the team's move from a repo-per-project model to a single Turborepo monorepo with shared packages — the architecture that now powers every project and white-label, replacing a separate codebase per client.
- Own the shared @wbk/* platform built out of that migration — 30 packages spanning auth, payments, ticketing, flights, hotels and the design system — adopted across 24 production apps, cutting new white-label launches from weeks to days.
- Lead the frontend team: plan and break down work with PMs, set development standards, and run code review across the group.
- Delivered ticketing platforms for the AFC Asian Cup Saudi Arabia 2027 (ahlan.sa), Riyadh Season, the F1 Saudi Arabian GP, the FIFA Club World Cup and Alawwal Park, Misk events hub, SC Braga, and more.

CMS Cloud — creator and architect

2025/08 - Present · cmscloud.ai

- Designed and built a self-hosted, API-first headless CMS end to end as its sole architect and engineer — admin dashboard, three backend services, delivery layer and infrastructure — now runs commercially and is adopted by three production brands (webook.com, ahlan.sa, scbraga.pt) so far.
- Split delivery into independent Fastify services: a read-only GraphQL API, a REST management API and an admin API over PostgreSQL, Redis and Cloudflare Workers that cache GraphQL at the edge and transform images on the fly.
- Sustains >3M content API requests a day at sub-40ms average and 92ms p95, using three-layer caching with stale-while-revalidate and Redis pub/sub invalidation.
- Deployed multi-zone and multi-region so customer content is pinned to the region its regulator requires — one platform satisfying both GDPR and PDPL.
- Built dual-layer search: self-hosted Meilisearch for lexical matching, OpenAI embeddings in pgvector for semantic meaning.

Fullstack Web Developer, Bayader Aljazeera

2020/11 - 2022/09 | Riyadh, Saudi Arabia

- Architected and built a cloud-based automated quotation system that replaced a manual pricing process across the business.
- Full stack ownership on Node, Express, MySQL and React/Next, deployed and maintained on self-managed VPS infrastructure.
- Shipped bayaderpack.com, db.bayaderpack.com and future-pack.com.

Frontend Developer, Wakaed for IT

2019/08 - 2020/10 | Unayzah, Saudi Arabia

- Built and maintained client web platforms in React, Next and React Native, including wakaed.com, unayzah.com and europeanhoney.com.

Co-founder, Stem Cell Medical Center

2015/05 - 2019/03 | Amman, Jordan

- Ran operations and led the center's digital transformation.

Software Engineer, Beijing Puhua International Medical Group

2012/05 - 2015/04 | Beijing, China

- Built the group's hospital websites and the internal staff, e-appointments and e-files systems in Java, JavaScript and MySQL.

SKILLS

Platform & Backend: Node.js, Fastify, NestJS, Express, GraphQL, REST, PostgreSQL, Drizzle, Redis, BullMQ, Meilisearch, Docker

Frontend: TypeScript, React, Next.js, Vite, TailwindCSS, Radix UI, Ant Design, TanStack Query, i18n & RTL, PWA

Infrastructure & Delivery: Cloudflare Workers, GCP, Turborepo, CI/CD, Datadog, Sentry, Vitest, Jest, Cypress

SELECTED PROJECTS

CMS Cloud — cmscloud.ai — Headless CMS platform — Fastify, GraphQL, PostgreSQL, Redis, Cloudflare Workers.

Ahlan — **AFC Asian Cup Saudi Arabia 2027** — ahlan.sa — Official tournament platform; CMS-driven theming, ticket resale, flights and hotels.

Ala Khutah — alakhutah.com — Heritage destination booking — entry, experiences, hotels and transport in one cart.

webook.com — webook.com — Saudi Arabia's ticketing platform — React, Next.js, TailwindCSS.

Riyadh Season 2023/24 — riyadhseason.com — Season-wide event and ticketing site — Next.js, TailwindCSS.

F1 Saudi Arabian GP — tickets.saudiarabiangp.com — Race ticketing with interactive seat maps — Next.js, TailwindCSS.

FIFA Club World Cup · Alawwal Park (Al Nassr FC) · MISK Event Hub — eventhub.misk.org.sa — Further ticketing and event platforms delivered on the shared architecture.

OPEN SOURCE

React Scheduler — github.com/aldabil21/react-scheduler — MUI scheduler component — 11.5k downloads/month, 417 stars, 150 forks.

Easy Web Push — github.com/aldabil21/opencart-easywebpush — Push notification and PWA extension for OpenCart 3.x.

EDUCATION

Beijing University of Science and Technology — Electronic and Information Engineering, 2008 - 2012

Beijing Language and Culture University — Mandarin language diploma, 2007 - 2008

CERTIFICATES

- Saudi Council of Engineers — ID 128832
- [Oracle Certified Java 17](#)

LANGUAGES

Arabic (Native), English (Professional), Mandarin (Professional)