

# Abdulrhman Eltahir

Software architect · Technical lead · Saudi Arabia

I build systems that **generate** systems.

Technical lead and architect at a software studio, shipping production systems across three technology ecosystems — plus the libraries, agents, and tooling underneath them.

## ■ WHAT I DO BEST

### ■■■ Backend & systems

The engine room — reliable production back-ends across three technology ecosystems, plus the shared packages that keep large, multi-part systems consistent as they grow.

### ■■■ Library & API design

My signature — drop-in libraries with clean APIs that add capability to a product without taking over its architecture, built across .NET and Laravel.

### ■■■ Developer experience & platform

Tooling and automation that manufacture a whole configured environment reproducibly — the kind of leverage a team feels every day after.

### ■■■ Architecture & leadership

End-to-end ownership — I architect systems and lead delivery across a broad portfolio: governance, licensing, logistics, healthcare — not one product in one vertical.

### ■■□ AI & agents

AI woven into delivery, not bolted on — agent tooling that builds and checks software, cutting delivery time substantially.

### ■■□ Frontend & product UI

Typed, content-driven interfaces for web and mobile — built with the same restraint and structure as the systems behind them.

### ■■□ Cloud & infrastructure

Reproducible, self-hosted infrastructure — Docker, Linux, Cloudflare — provisioned as code, not clicked together by hand.

### ■■□ Mobile & desktop

Cross-platform apps from one codebase — React Native and Expo on mobile, Tauri on the desktop — sharing types and logic with the web.

## ■ SELECTED WORK

### Workstation-bootstrap engine

[github.com/adams100111](https://github.com/adams100111)

An engine that turns a bare machine into a fully-configured developer workstation, unattended, in minutes — the clearest single expression of systems that generate systems.

### Composable .NET library ecosystem

[github.com/adams100111](https://github.com/adams100111)

A cohesive family of drop-in packages plus a generator that scaffolds production-ready projects — adding capability to a codebase without taking over its architecture.

### AI agent orchestration & QA tooling

[github.com/adams100111](https://github.com/adams100111)

Multi-agent tooling that implements and independently verifies software — parallel delivery with quality gates, distilled from real work that cut delivery time substantially.

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Enterprise delivery — governance, licensing, distributed systems — available on request.

## ■ APPROACH

I optimize for leverage — the artifact that produces other artifacts. Type safety and long-term maintainability are the foundation; AI is woven through, not bolted on.

— Technical lead of a software studio — the delivery, and the tooling beneath it.

— Carry library-design taste across three ecosystems; earn abstractions from real, repeated delivery.

— Build culturally-grounded products for MENA and Sudan, alongside open source.



عبدالرحمن الطاهر

## CONTACT

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## BY THE NUMBERS

6+

years shipping production software

3

core ecosystems — Laravel · TypeScript · .NET

12+

open-source libraries & tools

Technical lead at a software studio

## TOOLBOX

### Languages

TypeScript · PHP · C# · Python --  
SQL · Bash

### Backend

Laravel · .NET / ASP.NET · FastAPI-  
· Node · Filament

### Frontend

React · Next.js · Astro · Tailwind-  
· shadcn/ui

### Mobile & desktop

React Native · Expo · Tauri

### Data

PostgreSQL · MySQL · SQLite /  
Turso · Redis · EF Core · Drizzle --  
Eloquent

### AI & agents

OpenAI · Anthropic · Agent  
orchestration · PydanticAI · Vercel  
AI SDK

### Infrastructure & DX

Docker · Linux · Cloudflare --  
Hetzner · Vercel · Git · Turborepo /  
pnpm · Biome