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One codebase, every screen.

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

BEST IN MOBILE



Mobile & desktop

● ● ● EXPERT

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



Frontend & product UI

● ● ● EXPERT

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

SELECTED WORK

Workstation-bootstrap engine

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

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

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

Personalized Python-mastery platform

github.com/adams100111

A learning platform that teaches Python to experienced builders — in-browser execution (Pyodide), AI-narrated lessons, and a constitution-first curriculum. Pedagogy encoded as software, AI woven through.

Enterprise (anonymized): Technology-governance platform · Software-licensing infrastructure · Distributed-systems packages (Laravel) · Customer-support SaaS — named on request.

APPROACH

I build mobile the same way as everything else — share the model, isolate the platform edges, and let one team move across web, phone and desktop.

- 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.

STATS

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

Module Federation

MOBILE & DESKTOP

React Native Expo Tauri SQLite

Local-first / offline-first

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