

Shayan Ostadhassan

Programmer & systems architect — Tehran, working remotely

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SUMMARY

Programmer with ~30 years at the keyboard — from Commodore machine code to Windows kernel drivers. Over a decade leading Windows endpoint-security development (NDIS drivers, C/C++ services, code review of everything that shipped); now builds websites and mobile apps in Next.js and Flutter, solo, end to end.

SELECTED WORK

Delibon International — B2B marketing site + admin platform

Next.js · solo · 2026

Next.js monorepo with a block-based CMS, a small CRM, media library and role-based access in one admin panel; public site pre-rendered for SEO. Design, architecture, build and deploy.

Delibon Iran — RTL B2C storefront

Next.js · Postgres · solo · 2026

Right-to-left storefront with real checkout. Iranian payment adapters (Digipay IPG + installments, Zarinpal, COD), a job queue on PostgreSQL instead of a broker, shipped as a Docker image to Liara.

Karkhooneh / Idle Factory — mobile game

Flutter + Flame · solo · live on Bazaar

Idle game with a living isometric factory scene — tap to rush, hire crews to automate, expand across industry zones. Bilingual (fa/en). Published on Cafe Bazaar.

Sakena — building-management app

Flutter · Drift · solo

Dues, expenses, residents and printable financial reports — fully offline on a local database, with Persian-calendar scheduling. In private use.

Earlier — systems & web

2005–2018

Windows endpoint security (over a decade; kernel drivers, C/C++ services, Qt, build infrastructure, product ownership). ATM device drivers in C++. Large-scale graph algorithms on SQL Server. A .NET-profiler injection that added a Persian calendar across the whole SharePoint UI from one executable. Full-stack Laravel/Vue for UK energy-sector clients.

SKILLS

Systems: C/C++ (Windows), kernel & NDIS drivers, services, hooking, IPC

Reverse engineering: x86, ARM

Data: PostgreSQL, MySQL, SQL Server

Infra: Linux, Docker, build systems; networking (CCNA/CCNP)

Web: Next.js / React, PHP / Laravel, .NET Core

Mobile: Flutter (Android / iOS), Flame; native macOS (Swift)

Hardware: ATmega, ESP, PIC assembly

Languages: English (fluent), Persian (native); some JP / FR / AR

EDUCATION

- BSc, Applied Mathematics — Shahid Beheshti University, Tehran
- MSc coursework, IT / Computer Networks — Sharif University of Technology

RECOGNITION

- Honourable Mention, ACM ICPC World Finals — 2006
- 2nd place, ACM ICPC Asia (Tehran site) — 2005