



MAHMOUD AGLAN

Founder and lead engineer, AL-Arcade (AglanTech)

@ info@al-arcade.com in linkedin.com/in/mahmoud-aglan-540936199

www al-arcade.com CV mahmoudaglan.com Cairo

PROFILE

Founder of AL-Arcade, a Cairo software house and game studio, since 2022. I design, build and run software end to end: ERPs that government and private organisations run their day on, multi-tenant platforms, mobile apps, AI assistants that work safely on sensitive data, motion-controlled games for global hardware brands, and the infrastructure all of it lives on.

73

projects in this portfolio

1,771

production builds in six months

4,090

commits on my GitLab

1,295,217

lines of code shipped

73

apps running on one server

23

games and game prototypes

EXPERIENCE

Founder and lead engineer, AL-Arcade (AglanTech)

Cairo, 2022 to now

- ◆ Built Club ERP, the system a Ministry of Youth & Sports club runs on: 80+ modules on a PHP framework I wrote, event-driven double-entry accounting, HR and payroll, from first commit to production in 5.5 months.
- ◆ Built El Captain, a multi-tenant academy platform with its own control plane; OC Sport runs 850+ players on it, with 960 automated tests and a 354-page Arabic user guide.
- ◆ Designed a guarded AI assistant on live ERP data: read-only at the database level, permission-scoped, masked and logged.
- ◆ Built El3ab, an Arabic platform for chess, ludo, domino and tawla with Stockfish bots and an in-house tournament engine (452 production deploys).
- ◆ Built DevPilot, a self-hosted platform that runs Claude Code agents from my phone: 513 agent runs and about 400 agent commits in two months.
- ◆ Shipped nine motion-controlled booth games for MSI, Cooler Master and PureGanic, 2023 to 2024.
- ◆ Run the company infrastructure alone: 73 apps and 42 databases on one server, moved to a new provider with 19 minutes of downtime.
- ◆ Lead a team on my own GitLab: 135 repositories, 4,084 commits, eleven team members.

HOW I WORK

Prototype first. Working software in front of the client within days: a 29-screen app pitch in one day, the club ERP in production in five and a half months.

The whole stack. Product, design, code, data, servers, and security and load reviews, with no hand-off gaps.

Agents under my rules. I run Claude Code agents on real repositories through my own platform, with the review, deploy rules and tests I set.

Arabic and English by default. Every product ships in both languages, with right-to-left done properly.

SELECTED WORK

Club ERP The system a whole club runs on: members and families, money, sports, bookings, staff and stock, in one place.	2026	Captain, the guarded AI Managers ask in plain Arabic and get numbers, charts and reports from live data. It can only read, and only what that manager may see.	2026
El Captain Multi-tenant academy software. OC Sport runs more than 850 players on it: programmes by age, schedules, attendance, billing and a parents' portal.	2026	El3ab Chess, ludo, domino and tawla in one Arabic-first game, with Stockfish bots, ratings, tournaments, clubs and a full operator console.	2025-2026
DevPilot My own agent platform: I type a task on my phone, a Claude Code agent works in the real repo on the server, streams its progress and pushes the commit.	2026	The Club members' app The club in a member's pocket: a digital card with a QR gate pass, the whole family, bookings and news.	2026
Members' app and legacy bridge A members' app, a staff portal and a gate scanner for a club of about 80,000 members, fed by the club's 20-year-old desktop system without replacing it.	2026	MSI Katana Warrior A body-controlled samurai game: swing your arms to cut through 50 ninjas, then spin the prize wheel. It drew queues at MSI stands for months.	2023-2024
Cooler Master Play & Win A cyberpunk runner you play with your body. Raise both hands to start. It packed Cooler Master's stand for two days.	2024	IStalk Asymmetric multiplayer horror: one player is a giant Eye watching a procedural dollhouse, the others are Runners looting it in first person, slowed by everything they steal.	2026
Hospital on a Budget Four-player online co-op: clumsy physics hands give real first aid to ragdoll patients, wave after wave, until the clinic reaches Class S or goes bankrupt.	2026	AL-Arcade MC Launcher A redesigned Bedrock launcher for Mac and Windows with automatic world backups and pack management, plus servers where Bedrock and Java players share one world.	2026
al-arcade.com The company site in English and Arabic from one template, with working miniatures of the systems the studio builds playing on the home page.	2026	The 19-minute move Moved the company's entire 71-service production box to a new provider with 19 minutes of downtime, after checking every database byte for byte.	2026

SKILLS

Systems and back end PHP 8, Laravel, Custom framework, Livewire, Node.js, Go, TypeScript, Python, .NET 8, MySQL, PostgreSQL, Supabase, Redis	Front end and web JavaScript, HTML, CSS, GSAP, Canvas, Three.js, Chart.js, Mermaid, Alpine.js, Tailwind CSS, SVG, PWA, WebSocket, WordPress, WooCommerce, Elementor	Games Unity, C#, FishNet, Kinect, PhysX, Stockfish
Mobile and desktop Flutter, Dart, Swift, C++, Qt, QML	Infrastructure Docker, CapRover, Linux, Nginx, GitLab, Bash, rsync, iptables, Nextcloud, PeerTube, Pterodactyl, Firebase, WebRTC	AI, quality and craft Claude Code, Playwright, Puppeteer, k6, Gamification, Product design, Accessibility, Canva

TALKS AND AWARDS

1st place, Attaa Rakamy Hackathon 2022 , with CyberQuest.
Final stage, AWS startup competition 2026 , with El3ab and The Captain.
Top 5, Goodwill incubation programme 2022 , with Physio.
Techne Summit speaker Panels and workshops in 2024, a workshop in 2026.
EduVation Summit lecture 2024 , Gamification of Education, recorded.
A government club runs on my ERP A Ministry of Youth & Sports club, 80 staff accounts.
850+ players on El Captain OC Sport academies, 40,000+ attendance records.

LANGUAGES

Arabic, English