

Mohammad Hossein Tajik

Senior AI Engineer & Technical Lead · PhD in Artificial Intelligence · 15+ years in software

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PROFILE

AI engineer and technical lead who has written production code at every stage of a 15-year career, from self-taught web developer to founder of an AI automation studio. I design and ship LLM-powered products, automation pipelines and data systems that solve concrete business problems, with a particular strength in multilingual AI for English, Persian and Arabic markets. I combine a PhD in Artificial Intelligence and a Master's in Big Data with hands-on delivery: architecture, code, deployment and the guardrails that keep AI reliable after launch.

HOW I WORK

- **AI-agent native:** I use AI agents daily across research, coding, content and operations, and design multi-agent systems for my own business and for clients.
- **Available about 99% of the day:** a personal AI agent system I built answers my calls and reads and triages my messages, so urgent requests reach me quickly and nothing waits for my working hours.
- **Reliable connectivity:** based in Dubai with stable, unrestricted high-speed internet, so remote collaboration is never interrupted by connection or access limits.
- **Best-in-class tooling:** I personally invest several hundred dollars a month in premium AI models and development tools, so I work with the strongest tools available rather than free tiers.

CORE SKILLS

AI & machine learning	AI agents and multi-agent systems, LLM integration, deep learning (TensorFlow), NLP pipelines, local LLMs, AI lead qualification, human-in-the-loop system design
Generative media	FLUX / Midjourney / Stable Diffusion LoRA, Kling AI via fal.ai, HeyGen, ElevenLabs, automated video assembly with ffmpeg
Automation	n8n (white-label, multi-client), Cloudflare Agents, WhatsApp Cloud API, Meta Graph API (Instagram), Telegram bots and Mini Apps, marketplace automation (Amazon, Noon)
Full-stack engineering	TypeScript, Node.js, NestJS, Fastify, React, Next.js, React Native / Expo (iOS and Android), Tailwind, Python, PHP, REST API design, Prisma, PostgreSQL / Supabase (pgvector), Clerk, Firebase, MySQL
Data & infrastructure	Data pipelines, A/B testing infrastructure, analytics dashboards, Turborepo monorepos, Docker, Vercel, Railway, Cloudflare Tunnel, EAS / App Store Connect, DNS / DMARC, networking and firewalls (Cisco)
Leadership	Technical architecture, team leadership and code review, client discovery, proposals and QA audits

EXPERIENCE

Founder & CEO · Ashnafai	Feb 2026 – Present · Dubai
AI automation and digital studio: web platforms, AI chatbots, marketing automation, SEO and brand identity · ashnafai.com	
• FiveLayer generative pipeline (v5.7, in production): fully automated Instagram channel for an AI persona, publishing 7 pieces a day (reels, stories, feed) in English and Persian, with a best-of-3 image quality gate, a 120-hook bank, hook de-duplication memory and automatic reel-to-story crossposting. • AI persona stack: custom-trained FLUX LoRA for a consistent face, Kling video, ElevenLabs voice and lip-sync, assembled with ffmpeg and hosted on Cloudinary. • White-label automation suite: Blog Autopilot, LinkedIn drafter and approval bots, token monitoring and a Meta-verified Instagram comment-to-DM funnel at zero LLM cost; every client value lives in an external config, so one workflow serves any brand. • Self-hosted infrastructure: Docker fleet of isolated n8n + AI-agent gateway stacks, one per client, behind Cloudflare Tunnel, with OpenRouter model routing (Sonnet for generation, Haiku for cheap checks). • ashnafai.com and trade.ashnafai.com: Next.js 14 sites on Vercel in 6 locales, with Supabase, Resend, Cal.com, Stripe subscriptions and a crypto-paid (USDT, NOWPayments) real-time signals product. • Client delivery: a 29-page proposal and 43-issue QA audit for a UAE hypermarket app rebuild, and a full growth package for a Dubai salon (roadmap, financial model in AED, video ad and pitch deck).	

Senior Software Engineer, AI & Automation · StatR.co

Feb 2026 – Present · Remote

AI property-matching platform for international buyers in Cyprus and Greece; technical lead across backend, web, mobile, CRM and launch · statr.co

- **AI consultant rebuild:** replaced a regex / slot-filling chatbot with an LLM-brain-plus-deterministic-tools agent (OpenAI Responses API), with specialist Investment and Lifestyle personas, cross-session buyer memory, and a feature-flagged staging-to-production rollout.
- **Platform:** Turborepo monorepo with a NestJS API on Railway, Next.js 15 web app on Vercel, PostgreSQL / Supabase with pgvector, Prisma, Clerk auth and shared Zod-validated types; documented chat state machine, permissions matrix and load tests.
- **Mobile app, live on the App Store and Google Play:** React Native / Expo app localized in English, Greek and Hebrew; shipped v1.0 and v1.1 through Apple review, including a production auth outage traced to a disabled Clerk native API.
- **Investment engine:** financing simulations on Cyprus bank and 2026 tax rules (LTV, amortization, VAT, CGT), rental yield and short-let ROI via the AirROI API with fallback calculators.
- **Lead CRM (crm.statr.co):** NestJS + Next.js admin console tracking buyer journeys, fed by a deduplicated chat-lead webhook that hands qualified buyers to developers.
- **Launch:** app-store assets, brand video, weekly social content system and legal / cookie policy drafting for counsel review.

AI Software Engineer & Technical Lead · Independent

Jan 2024 – Present · Dubai

- Took multiple AI applications from research to production for clients across MENA and Europe, integrating LLMs and automation into client-facing products.
- Built backend systems, REST APIs and data pipelines connecting CRMs, messaging channels and third-party platforms.
- Designed a compliant, human-in-the-loop AI auto-reply architecture for a marketplace platform, with AI as a decision-support layer rather than an unattended agent.
- Led small engineering teams, set architecture and kept delivery on schedule.

Head of IT & Software Development · Amer Dubai Trading

Sep 2025 – Nov 2025 · Dubai

- Automated 100% of customer-facing conversations through the WhatsApp Business API, integrated with the internal CRM.
- Launched multiple mobile-first web platforms within a 90-day window.
- Automated Amazon and Noon marketplace operations end to end: listings, inventory and logistics (Node.js, React).

Software Engineer, Platform & Growth Tech · Tinder

Jun 2021 – Aug 2023 · Toronto (hybrid)

- Built and maintained data pipelines and A/B testing infrastructure for product experimentation at scale.
- Developed automation scripts and real-time dashboards for platform performance metrics.
- Worked with backend and data teams to optimise content delivery and user targeting.

Software Developer & IT Team Lead · Emarat Novin

Apr 2019 – Jan 2021 · Remote

- Promoted to team lead, managing a team of junior developers.
- Led development of digital banking platform features from backend APIs to frontend interfaces (JavaScript, PHP, MySQL).
- Introduced coding standards and code review, and owned the full lifecycle from planning to release.

Junior Software Developer · MTN Irancell

May 2016 – May 2018 · Tehran

- Built internal dashboards, CRM integrations and reporting tools for one of Iran's largest mobile operators.
- Automated repetitive data tasks with scripts, reducing manual workload across departments.

Freelance Web Developer

Feb 2010 – Feb 2016

- Self-taught full-stack developer delivering e-commerce, media and service websites for small and mid-sized businesses (HTML, CSS, JavaScript, PHP, MySQL).

SELECTED PROJECTS

Products I designed, built and shipped as technical lead or founder, most in 2026.

AI AGENTS AND BOTS

- **CarinoDubai, AI sales agent** (co-founder, technical lead) — agentic Telegram admin assistant that routes co-founders' natural-language requests through an LLM classifier to save cars, generate banners or answer, with a per-admin AI spend cap in Supabase; customer bot answers in natural Persian; Node.js banner service turns listings into branded light and dark ad creatives (Gemini img2img) at about \$0.20 each; Next.js catalogue site with ISR.

- **DROPLINES, AI sourcing Mini App** — Telegram Mini App where a user photographs a product, Claude Vision writes the search query, Apify scrapers find suppliers on AliExpress and Alibaba, and results feed AI creatives and store listings (Next.js 14, Supabase, fal.ai, n8n).
- **Personal AI assistant** — my own agent system that answers calls and triages messages, plus a Telegram bot and Mini App that turn free-text notes into reminders, expense logs and subscription renewals (Node.js, Docker, OpenRouter).
- **Membership and rewards Mini App** — Persian-language Telegram Mini App with tiered memberships, a referral and sales-commission engine, Telegram Stars / TON payments and an admin panel for nightly reward crediting (Next.js, PostgreSQL).
- **AI companion pet** (software lead) — screen-free AI companion for children, designed on-device-first so it can never be remotely disabled; Stage 0 prototype specification, roadmap and investor pitch complete.

AUTOMATION AND CONTENT SYSTEMS

- **FootballDailyDose, World Cup 2026 bot** — fully automated coverage of all 48 nations across Instagram, Telegram and a website: pre-tournament team series, then live match coverage posting previews, line-ups, goals within about 15 minutes, half-time, results and standings, inside Instagram's 50-post daily cap (n8n, API-Football, Docker).
- **Sara Rasa, publishing pipeline** — trilingual (EN / FR / FA) portfolio for a documentary photographer, plus a pipeline where she sends a photo to a Telegram bot and it is translated, watermarked, turned into a reel and published to Instagram and Telegram twice a day with no manual steps.
- **TopABC, admissions platform** (Head of IT) — SEO-first Next.js site for an international university admissions consultancy, an animated AI mascot, and an automated multi-platform content pipeline.
- **KazDailyDose** — faceless gaming news channel on a four-stage n8n pipeline: harvest and rank headlines, script and generate assets, assemble video, publish.
- **FC Scraper** — Python scraper producing football club data in English, Arabic and Persian (httpx, selectolax, retry handling).

WEB, COMMERCE AND LOGISTICS

- **Arosha Logistics** — Dubai-Iran freight platform covering sea freight with GPS-tracked vessels, air cargo and traveler couriers; one app with role switching for senders, travelers and hidden operator accounts; trilingual RTL website with live map tracking and a rate calculator.
- **DubaiGo, personal-shopper commerce** — Next.js storefront, a Persian price calculator that estimates shipping weight from any product link with an LLM, and an internal CRM with an AED / Toman ledger and partner settlement, self-hosted behind Cloudflare Tunnel.
- **Arosha Empire** (technical co-founder) — Dubai digital agency: website, service ad creatives rendered from HTML, and a full pitch package for a Dubai department store (32-page growth plan with Persian edition, competitor intelligence, brand film).
- **Bolto** (bolto.io) — Persian RTL marketing site built from the designer's Figma with two switchable themes, matched to the design with 0 px deviation across all 11 sections.
- **Local SEO and site rebuild** — for a Sydney home-services company: resolved an indexing block, fixed keyword cannibalization with 301s, exported the WordPress site and began an Astro 5 rebuild targeting top Core Web Vitals.

EDUCATION

- **Ph.D., Artificial Intelligence** (Data Processing Technology), Islamic Azad University
- **Master of Engineering, Big Data Analytics** (Data Processing Technology), Islamic Azad University
- **Bachelor's degree, Computer Science**, Islamic Azad University

LANGUAGES

- **Persian:** native
- **English:** professional working proficiency