

Mohammad Hasan Kaman

Full-Stack Developer (Remote)

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SUMMARY

Self-taught Full-Stack Developer with strong foundations in Python, C# and JavaScript, and 4 years of hands-on experience shipping production-ready software — from AI-driven clinical screening pipelines, LLM streaming diagnostics and encrypted desktop messengers to Django platforms deployed on Linux VPS with nginx and gunicorn. Passionate about solving algorithmic and system-level problems and building database-driven platforms. Currently completing secondary education (expected graduation mid-2028) while freelancing for international clients. Seeking remote backend or full-stack roles in collaborative teams.

CORE COMPETENCIES

- Backend Development & Automation
- API Integration & Management (REST & LLM)
- Database Design & Architecture
- AI Application Development (LLM APIs & Streaming)
- Web Application Architecture
- Network Infrastructure & Troubleshooting

PROFESSIONAL PROJECTS

Kaman AI Translator — Whole-Book PDF & EPUB Translation

2024 — 2026 · [Freelance](#) · [v3.0.0](#)

Commercial PyQt6 desktop studio that translates complete academic and technical PDF/EPUB books into fluent Persian and back into English — page by page or fully unattended. Per-book structure templates keep terminology consistent, a QC loop flags meaning drift, work is stored per page with pause/resume, API keys are encrypted with Windows DPAPI. 303 offline tests; ships as a Windows .exe.

Agent Stream Doctor — LLM Streaming Diagnostics

2025 — 2026 · [Open Source](#) · [v0.2.0](#)

Zero-dependency Python toolkit that diagnoses why an LLM stream returns nothing: reasoning-only responses, missing finish_reason, malformed SSE framing and truncated tool calls. Twelve named checks with explanations, a tolerant parser that turns malformed input into findings instead of exceptions, JSON output for CI and a clean library API.

AI Counseling Widget — Intake & Consultant Matching

2024 · [Freelance](#) · [Live at kahaai.ir](#) · [v1.0.0](#)

Multi-tenant AI intake system for counselling centres, shipped as a Persian RTL chat widget embedded with a single script tag. Runs a conversational intake, the GHQ-28 wellbeing screen, clinical concept extraction from free text and a self-re-weighting consultant matching engine. No hosted LLM, no per-message cost, no visitor data leaving the server.

AI Counseling Bot — Bale Messenger Intake

2024 · [Freelance](#) · [v1.0.0](#)

The same clinical intake intelligence as a Bale messenger bot: a 12-state guided conversation, the GHQ-28 wellbeing screen and a SpiralMatchEngine that re-weights itself from panel feedback. Admins run statistics, Excel import/export, broadcasts and engine training from inside the chat. No external API, no cloud LLM.

Kaman Portfolio — Trilingual Django Portfolio & CV Generator

2024 — 2026 · [Personal](#) · [Live at mhkaman.com](#) · [v1.0.0](#)

The portfolio behind this CV: a trilingual (EN/FA/AR) Django site where every page is editable from the Django admin, with a trilingual PDF CV generator that shapes RTL text with HarfBuzz, privacy-friendly server-side analytics, and sitemap, robots.txt and llms.txt built in.

Kaman Messenger — Encrypted Real-Time Chat

2022 — 2023 · [Personal](#) · [v7.0.1](#)

Real-time encrypted messenger built completely from scratch: raw TCP sockets, AES (Fernet) encryption, bcrypt authentication, rate limiting and SQLite storage, with a CustomTkinter GUI. Ships as a client and a server executable.

Dr-Kaman Site — Multimedia Archive (Django)

2023 — 2024 · [Client Project](#) · [Live at drkaman.ir](#) · [v1.1.0](#)

Django-based CMS with secure user authentication and SQLite storage, multi-format media management (video/audio playback) and dynamic categorized content delivery, deployed with nginx and gunicorn on a Linux VPS.

Planikaa Portal — Educational Platform (Django)

2023 · [Client Project](#) · [v10.0.0](#)

Django educational platform for exam and competition analysis: visual dashboards, an educational blog, a review and feedback system, Jalali (Persian) calendar support and django-allauth accounts. SQLite storage.

Kaman Web Browser — Desktop Web Browser

2023 · [Personal](#) · [v1.1.0](#)

A desktop web browser built in C# on the Edge WebView2 (Chromium) engine: tabbed navigation, address bar with search fallback, back/forward history, bookmarks and a native Windows shell around a real browser engine.

Kaman AI Chat — Desktop Chat Assistant (C#)

2023 · [Personal](#) · [v1.1.0](#)

C# WinForms chat assistant running DeepSeek models via the OpenModel API, with voice output through the Windows built-in text-to-speech engine. The API key is resolved at runtime from an environment variable, app.config or a per-user settings file — never baked into the source. Single dependency-free .exe.

Quran Group Bot — Serverless Bale Bot

2023 · [Personal](#) · [v1.2.1](#)

Serverless bot for weekly Quran juz reading groups on Bale Messenger: Cloudflare Workers + KV, cron-scheduled posts, rotating juz assignment and a weekly hadith. No server, no hosting bill.

YouTube Downloader — Desktop Utility

2023 · [Personal](#) · [v1.0.0](#)

Windows YouTube downloader built on yt-dlp with a Persian dark-mode GUI, three live progress bars, video and audio format selection and browser-cookie support for age-restricted or private links.

TECHNICAL SKILLS

Programming Languages

Python, C#, JavaScript, HTML, CSS

Frameworks & Libraries

Django, FastAPI, Windows Forms, Edge WebView2, PyQt6, CustomTkinter, yt-dlp, django-allauth, jdatetime

Databases

SQLite, SQL, Cloudflare KV, Jalali (Persian) calendar via jdatetime

AI & LLM Engineering

Gemini API, OpenAI-compatible APIs, DeepSeek, SSE Streaming, Tool Calling, GHQ-28 screening, concept extraction, PDF/EPUB processing

Tools & Infrastructure

Git, nginx, gunicorn, Linux VPS, Cloudflare Workers/KV, REST APIs, Docker

Networking & Security

TCP Sockets, AES/Fernet encryption, bcrypt, rate limiting, proxy configuration, Network+ concepts

EDUCATION

Secondary Education (High School)

[Expected Graduation: Mid-2028](#)

Data Structures & Algorithms · Machine Learning Fundamentals (freeCodeCamp Track) · Advanced Mathematics, Logic and Statistics · Networking Concepts (Network+ Preparation)

LANGUAGES

Persian (Farsi)

Native

Arabic

Fluent — strong communication and understanding

English

Upper-Intermediate (technical documentation & professional communication)