

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 3+ years of hands-on experience shipping production-ready software — from AI-powered desktop applications and LLM integrations 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

AI-Powered PDF Translation & Automation Platform

2024 — 2026 · [Freelance](#)

Commercial Python desktop application that translates academic and technical PDF/Epub documents over 500 pages into Farsi using the Gemini API. Includes support for 20+ languages, advanced API key management and automated licensing verification, optimized for stable long-document rendering.

Agent Stream Doctor — LLM Streaming Diagnostics

2025 — 2026 · [Open Source](#)

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. Built from real-world debugging of LLM router integrations.

Custom Counseling Center AI Bot

2024 · [Freelance](#)

Designed and integrated an intelligent automated assistant for a counseling center using modern LLM APIs to handle client queries and automate interaction workflows, measurably reducing human-agent workload for frequent inquiries.

Educational Website & CMS (Django)

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

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

Exam Analysis & Statistics System

2023 · [Client Project](#)

Data-focused web application that ingests student test scores, calculates statistical variances and standard deviations, and exports PDF reports with visual analytics for performance evaluation.

KamanBrowser — Desktop Web Browser

2022 — 2023 · [Personal](#)

Modern desktop web browser built with C# and Windows Forms on Edge WebView2 (Chromium): tab management, bookmarks, custom UI components and smooth navigation with a minimal memory footprint.

Kaman Messenger — Encrypted Real-Time Chat

[Personal](#)

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.

Planikaa Portal — Educational Platform

[Web Platform](#)

Comprehensive educational platform with an exam-analytics dashboard, blog and student resources, built with Django.

Kaman AI Chat — Desktop Voice Assistant

[Personal](#)

C# desktop chat assistant running DeepSeek models via OpenModel API, with Google Cloud Text-to-Speech voice output for natural conversations. Built with Bunifu UI.

Quran Group Bot — Serverless Bale Bot

[Personal](#)

Serverless bot for weekly Quran juz reading groups on Bale Messenger: Cloudflare Workers + KV, cron-scheduled posts and automatic hadith sharing.

YouTube Downloader — Desktop Utility

[Personal](#)

Professional YouTube downloader with a modern Persian RTL interface, live progress and quality selection. Built with Python, CustomTkinter and yt-dlp.

TECHNICAL SKILLS

Programming Languages

Python, C#, JavaScript, HTML, CSS

Frameworks & Libraries

Django, Windows Forms, PyQt6, CustomTkinter, Bootstrap

Databases

SQLite, PostgreSQL

AI & LLM Engineering

Gemini API, OpenAI API, DeepSeek, SSE Streaming, Tool Calling, Bot Integration, PDF/Epub Processing

Tools & Infrastructure

Git, nginx, gunicorn, Linux VPS, Cloudflare Workers/KV, REST APIs, VS Code, PyCharm, Visual Studio

Networking

Infrastructure Troubleshooting, Proxy Configurations, 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)