

MOHAMMAD HOSSEINI

AI APPLICATION ENGINEER | SENIOR SOFTWARE ENGINEER

Mashhad, Iran | +98 901 524 6924 | mohammadinfo.dev@gmail.com | LinkedIn: mohammadinfo

PROFESSIONAL SUMMARY

Software engineer with 5+ years of professional experience delivering cross-platform products, including production applications serving 120,000+ active users, and newer hands-on experience building applied AI products. Develops end-to-end applications that integrate LLMs, multimodal inputs, structured outputs, and retrieval-augmented generation (RAG), while retaining ownership of architecture, code review, debugging, integration, testing, deployment, and maintenance. Combines a strong Flutter foundation and technical leadership with practical full-stack development across Python/Django, PostgreSQL, React, and Next.js. Uses AI coding agents and agentic workflows to accelerate implementation while maintaining engineering oversight.

TECHNICAL SKILLS

Applied AI & LLM Engineering: LLM API Integration, Generative AI Applications, RAG, Vector Embeddings, Vector Databases, Prompt Engineering, Few-Shot Prompting, Multimodal AI, Structured AI Outputs, Knowledge Retrieval, AI-Powered Automation, Human-in-the-Loop Workflows

AI Development Tools: AI Coding Agents, Model Context Protocol (MCP), Agent Skills, Subagents, Computer Use, AI-Assisted Development, ChatGPT, Codex, Gemini, Claude, Antigravity

Software Development: Python, Django, PostgreSQL, JavaScript, React.js, Next.js, Flutter, Dart, REST APIs, GraphQL, Firebase

Architecture: Clean Architecture, Design Patterns, MVVM, MVC, Repository Pattern, BLoC, Riverpod, Scalable Application Architecture

DevOps & Delivery: Git, GitHub, GitHub Actions, CI/CD, cPanel, cPanel API, Automated Testing, Deployment Automation

Leadership: Technical Leadership, Code Reviews, Mentoring, Product Development, Cross-Functional Collaboration, Technical Decision-Making

AI PRODUCT EXPERIENCE

Founder & AI Application Engineer | Moniqo | *Product development*

- Founded and built an AI-powered personal finance product for web and mobile, owning frontend, backend, database, AI integration, deployment, testing, and ongoing maintenance; the product has real users and is in user acquisition.
- Integrated a Gemini multimodal model into a voice-based transaction workflow: audio input is analyzed to extract transaction amounts, categories, descriptions, and related fields as structured data.
- Constructed prompts dynamically using relevant user context such as categories, currency, and localization; applied few-shot examples reflecting Persian financial language and conventions.
- Designed a human-in-the-loop flow that presents interpreted transactions for user review and saves them only after explicit confirmation.
- Implemented handling for irrelevant voice inputs and model or API failures; localized examples and contextual inputs for Persian-speaking users.

Technical Co-Founder & AI/Full-Stack Developer | Vesam CRM | *Product role; dates not specified*

- Co-develop an educational CRM product with the company founder, contributing across frontend, backend, database, AI features, deployment, and maintenance.
- Developed AI-assisted capabilities that help administrators interpret business information, analyze customer and salesperson performance, and generate useful reports.
- Build and integrate product components using Django and Python, PostgreSQL, React.js administration interfaces, Next.js websites and landing pages, Flutter applications, LLM APIs, REST APIs, and CI/CD.

AI Knowledge & Content Generation System | Miri AI | *Applied AI project*

- Engineered a structured, retrievable knowledge base from an Instagram content specialist's Telegram messages, written guidance, prompt examples, writing styles, content formulas, scripting techniques, tone guidance, and strategy principles.
- Processed source material and generated embeddings for retrieval-augmented, context-aware generation of personalized Instagram Reels ideas and scripts based on account information.
- Applied expert knowledge modeling, prompt engineering, and AI workflow design; the system uses retrieval rather than claimed model fine-tuning.

Educational Video RAG System | Independent project | *Applied AI project*

- Implemented an end-to-end RAG workflow for educational video content, covering text extraction and preparation, chunking, vector embedding generation, and vector-database storage.
- Retrieved relevant knowledge and supplied the context to an LLM to generate answers grounded in instructional content.

PROFESSIONAL EXPERIENCE

Senior Flutter Developer / Mobile Team Lead | Sibtorsh | Mar 2025 – May 2026

- Led Flutter development for an educational application serving 100,000+ active users, with focus on scalability, performance, and user experience.
- Owned architecture decisions across state management, feature structure, and reusable modules to reduce technical debt and improve maintainability.
- Defined development milestones, delivery goals, and technical priorities; coordinated with product, content, and consulting teams to translate requirements into mobile features.
- Led code reviews and technical decisions, and resolved bottlenecks affecting resource use and application performance.

Senior Flutter Developer / Mobile Team Lead | Vesam | Mar 2023 – Mar 2025

- Built secure, customizable educational applications with screen-recording prevention, watermarking, and encryption to protect instructor-owned content.
- Delivered Android, iOS, Windows, and web applications from a shared Flutter codebase, improving consistency and reducing duplicated effort.
- Migrated legacy projects to Flutter, reducing multi-platform development time by approximately 50% and lowering delivery costs.
- Redesigned and optimized Storito, an international storytelling app supporting 1,000+ fonts, multiple languages, and creator tools; managed the development lifecycle of TpClub, a crypto-signal app with real-time market insights.
- Delivered Flutter and Dart workshops to 500+ students.

Flutter Developer | Arz8 | Oct 2022 – Mar 2023

- Rebuilt the Arz8 mobile application and scaled it to support 120,000+ active users.
- Implemented Clean Architecture, BLoC, and the Repository Pattern to improve maintainability and support product growth.
- Optimized data flow to reduce unnecessary server requests; improved application performance and UI/UX quality.
- Worked with product teams to turn user needs and business goals into technical requirements and a scalable codebase.

Flutter Developer | Alibaba | Mar 2022 – Sep 2022

- Developed and launched Safaryar, an Istanbul travel guide app helping tourists discover local tours, services, and city information.
- Implemented mobile-first travel discovery features and contributed to delivery from feature development through launch readiness.

Flutter Instructor | TopLearn | Oct 2021 – Present

- Created and delivered six Flutter courses for beginner and intermediate developers, educating 4,000+ students in Flutter and Dart.
- Produced one of TopLearn's most popular Flutter courses.

EDUCATION

Associate's Degree, Computer Engineering | Montazeri Technical College, Mashhad, Iran | Jan 2022 – Sep 2024

LANGUAGES

Persian — Native/Bilingual | English — Proficient