

KAMRAN ABDI

Senior Software & AI Engineer · Agentic AI Product Builder · Backend Architect

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PROFILE

Senior software engineer and AI product builder with 20+ years designing backend systems, data platforms, and production software across healthcare, fintech, media, utility billing, and industrial domains. Currently focused on combining strong engineering fundamentals with LLMs and agentic AI to ship production-grade products faster — without losing architectural discipline.

EXPERIENCE

Founder & AI Product Engineer

2025 — Present

MaahFit

- Led end-to-end MVP development for a lifestyle platform startup.
- Designed architecture, database models, and backend services.
- Used AI agents to accelerate development, debugging, and deployment.
- Delivered production-ready full-stack app on Linux/Docker.

Co-Founder & CTO

Apr 2024 — Present

TelePain Interactive Care · Canada (Remote)

- Designed and deployed an AI-powered triage chatbot for pain management.
- Improved patient prioritization and reduced manual assessment workload.
- Built ML decision-support workflows; led architecture, cloud deployment, and agile delivery.

Senior Software Engineer

Aug 2023 — Present

Filmnet (VOD Platform)

- Designed and implemented AI-based recommendation engine capabilities.
- Improved scalability with Redis caching and microservice optimization (RabbitMQ, Kafka).
- Owned payment & direct-debit services for production media workloads.

Software Consultant

2024 — Present

Andisheh Computer · Utility Billing Systems

- Designed and implemented a dynamic water billing engine with Roslyn-evaluated formulas.
- Handled complex tariffs, seasonal pricing, and billing-period break logic.
- Used AI agents to accelerate design, implementation, and validation.

Software Developer Consultant

Sep 2022 — Apr 2023

World Health Organization

- Contributed to global health data platforms (COVID-19 vaccination tracking).
- Supported NCD reporting systems for national health authorities.
- Deployed cloud-based reporting (Azure, GCP, DHIS2, Power BI).

Senior Software Engineer

Mar 2021 — Aug 2022

Arzesh Pardaz Aryan

- Contributed to algorithmic trading platform — reduced execution costs by ~50%.
- Led Portfolio Management System development.
- Refactored Order Management System for scale and reliability.

Senior Software Engineer & Team Lead

Jan 2013 — Apr 2019

Noavaran Amin Data Processing Co.

- Designed financial data platforms and APIs for capital market analytics.
- Collaborated with Prometeia on corporate governance risk systems.
- Built scalable data services for real-time financial insights.

Software Developer

2005 — 2013

Earlier financial systems experience

- Trading systems, PMS, financial reporting, early web-based platforms.

SELECTED PROJECTS

FinancialCopilot · Fintech · Capital Markets

Agentic financial intelligence platform for Iranian capital market data — semantic query routing, company/symbol resolution, metric routing, natural-language Q&A.; (.NET, PostgreSQL, MS Agent Framework, LLMs)

Zarrin Procurement Intelligence · Industrial · Compliance

Multi-agent procurement compliance system linking commission approvals with inventory and purchase data. (.NET, MS Agent Framework, MCP, Knowledge Graph, OCR)

WaterBilling · Utilities · Enterprise

ASP.NET Core billing engine with Roslyn-evaluated dynamic formulas, seasonal pricing, and period-break logic. (ASP.NET Core, Blazor WASM, SQL Server, Clean Architecture)

TelePain Solutions · Healthcare · Digital Health

AI triage chatbot, ML decision support, and cloud deployment for pain-management workflows. (C#, Python, ASP.NET, PostgreSQL, Azure, LLMs)

MaahFit & Hypnivo · Lifestyle · Wellness

AI-assisted MVPs from concept to production — Clean Architecture backend, agentic personalization design. (.NET, Docker, Linux, MS Agent Framework, MCP)

SKILLS

Programming	C# · Python · TypeScript · SQL · JavaScript
Backend Engineering	.NET Core · ASP.NET Web API · Microservices · REST · gRPC · Clean Architecture · DDD · Distributed Systems
AI / LLMs / Agents	LLM Applications · RAG · Agentic AI · MS Agent Framework · MCP · Knowledge Graphs · Semantic Routing · Codex · Claude · Ollama · Qdrant
Data & Databases	SQL Server · PostgreSQL · MongoDB · EF Core · Financial Pipelines · Reporting
Infrastructure	Redis · RabbitMQ · Kafka · Docker · Kubernetes · Linux · systemd · CI/CD
Cloud	Azure · GCP · Containerized Services
Product & Architecture	Technical Leadership · MVP Development · AI Product Strategy · System Design · Agile

EDUCATION

MSc, Computer Engineering — AI & Robotics · Institute for Advanced Studies in Basic Sciences · GPA 4.5 / 5

BSc, Software Engineering · Islamic Azad University

PUBLICATIONS

- Stock Market Prediction using Machine Learning — Springer Nature, 2025
- Hybrid Deep Learning Models — IEEE ICCKE, 2024