MAHMOOD ASADI

AI-Native Technical Leader

Governance-first systems, evidence-backed execution
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PROFESSIONAL SUMMARY

AI-native technical leader who designs governance-first systems where auditability, human control, and failure containment are enforced by infrastructure — not policy. Built and deployed 6 production platforms across fintech, edtech, mining/GeoTech, and AI infrastructure. Applied the same governance principles — tamper-evident audit trails, human-in-the-loop decision gates, tenant-isolated execution — across every domain. 10+ years of depth in brokerage systems: CRM, dealing desk intelligence, client/partner portals, social trading, payments, and online trading platform integrations.

SIGNATURE STRENGTHS

- **Agentic delivery:** multi-agent workflows with structured handoffs, verification gates, and human-in-the-loop checkpoints
- **Enterprise readiness:** RBAC, auditability, multi-tenant isolation, evidence-first delivery
- **Fintech depth:** broker operations, commissions/IB, payments, online trading platform integrations
- **Governance posture:** fail-closed systems, non-bypassable invariants, AI predictions that inform operators but never execute autonomously

PRODUCTS SHIPPED (6 ACROSS 4 INDUSTRIES)

Product	Industry	Built In	Description
Truvesta	Fintech	3 weeks	Dealing desk intelligence with tamper-evident audit: hash-chained logs, DB-level immutability, CI that falsifies its own invariants
Ardura	Fintech	2 weeks	AI-native CRM where churn predictions inform operators but never auto-execute; every automation rule carries an evaluation trace
Equira	AI Infra	4 weeks	Multi-tenant agent orchestration with hard isolation, phase-gated execution, and provenance on every output
Scanminers	GeoTech	Ongoing	Mineral exploration targeting where AI outputs are framed as hypotheses with structured uncertainty, never conclusions
Finura	EdTech	3 weeks	Multi-tenant education marketplace with content governance: no trading performance claims without disclaimers
Chessio	EdTech	2 weeks	AI chess academy with skill-gated progression — advancement requires demonstrated ability, not time on platform

TECHNICAL STACK

Frontend

Next.js, React, TypeScript, Tailwind CSS

Backend

Node.js, Python, PostgreSQL, Prisma, FastAPI, RabbitMQ

Infrastructure

Brokerage Domain

Vercel, Docker, GitHub Actions, Neon (PostgreSQL)

Online trading platform APIs, payment gateways, trading connectors

EXPERIENCE

Founder & AI-Native CTO
Jan 2025 – Present

CTO Alpha • Cyprus

– Founded CTO Alpha building governance-first technology suite for Forex/CFD brokerages
– Designed tamper-evident audit infrastructure: hash-chained logs, database-level immutability triggers, CI that actively falsifies invariants
– Refused auto-execution of AI predictions in favor of auditable, human-approved decision queues
– Delivered production systems with enforced governance constraints across multi-tenant isolation, audit trails, and content safety

Product & Tech Manager
2024 – 2025

Finura (Fintech/EdTech) • Cyprus / Remote

– Led product and architecture for multi-tenant academy platform (admin/instructor/learner portals)
– Designed RBAC and course lifecycle approvals with audit-ready governance and traceability
– Shipped iteratively with LLM-assisted workflows while maintaining production quality standards

Operations Team Leader
Jun 2022 – Sep 2023

Exclusive Management Services (Fintech) • Limassol, Cyprus

– Led delivery across fintech initiatives including client/partner registration, social trading improvements, leverage logic

Head of PMO
Mar 2021 – Jan 2022

Primus Global (Fintech) • Limassol, Cyprus

– Established PMO, built roadmaps, introduced scaled Agile practices, ran portfolio management

Project Manager
2018 – 2022

FXPRIMUS / TIO Markets (Fintech) • Limassol, Cyprus

– Delivered Client Area, Partner Area, CRM/back-office, commissions, payment gateway integration, online trading platforms

Business Analyst
Nov 2015 – Feb 2018

OPC Business Support (Technology Provider) • Kuala Lumpur, Malaysia

– Social trading integration, back-office systems, client registration, payment integrations (cards, e-wallets, crypto)

EDUCATION & CERTIFICATIONS

M.S., Industrial Engineering
University of Technology Malaysia (2009–2011)

B.S., Industrial Engineering (Systems Analysis)
University of Azad Iran (2002–2006)

CBAP   PMP

LANGUAGES

English (Fluent)   Persian (Fluent)   German (Intermediate)

Malay (Intermediate)   Greek (Basic)