

MAHMOOD ASADI

Founder, Asadi Labs — Product Systems for Broker Teams

AI-orchestrated delivery — broker platforms, governed AI systems, audit-ready evidence

Regulated Fintech · Broker Platforms · Governance Engines · AI Architecture

● One broker team at a time — remote, based in Yerevan, Armenia
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SUMMARY

15+ years building software, 10+ of them inside regulated brokerages — dealing desks, CRM, client and partner portals, payments, and MT4/MT5 integrations. For most of that time I specified and delivered those systems and handed the blueprints to other teams to build. The constraint was never knowing what to build; it was execution capacity. AI removed that bottleneck. Seven fintech systems now stand behind the specifications, each with audit-grade traceability and governance that holds under regulatory scrutiny. I make the architecture decisions right the first time so you don't need a second team to fix what I ship.

FINTECH SYSTEMS SHIPPED (7)

Asadi Studio and EdifyTrade are live products; Asadi Gate is a live interactive demo. The remaining four are portfolio systems — built to production standard, deliberately not chasing a market.

PRODUCT	INDUSTRY	DESCRIPTION
Truvesta	Fintech	Replaced 3–4 fragmented dealer tools with one audit-grade platform — real-time risk signals, scenario simulation, tamper-evident decision trails
Veralis	Fintech	Mobile trading platform for forex/CFD brokers — live MT5 execution, native KYC, hosted payments, real-time WebSocket prices. Complete React Native + NestJS BFF monorepo
Volt	Fintech	Gamified mobile trading arena — live MT5 execution, XP tiers, Power Hour events, loot crates, squads. 3 NestJS services + React Native app, 478+ tests, load tested at scale
Ardura	Fintech	Architected broker CRM with AI-driven churn prediction — increased retention intervention quality while eliminating autonomous risk
Asadi Gate	AI Infra	Proved AI commerce governance can be deterministic and fail-safe — zero silent authorizations, every decision cryptographically receipted
EdifyTrade	Fintech	Live Broker Academy OS — brokers and IB networks run fully branded academies on shared infrastructure with structural tenant isolation, partner commission ledgers, and a risk-first Practice Lab. White-label across two brands including the mobile app
Asadi Studio	Design Systems	Live at studio.asadi.ai — four commercial website archetypes for the introducing-broker vertical, each with a complete standalone design system. Disclosure-first throughout; zero external requests per page

TECHNICAL STACK

FRONTEND Next.js, React, React Native, TypeScript, Tailwind CSS	BACKEND Node.js, NestJS, Python, PostgreSQL, Prisma, FastAPI, Redis, WebSocket, RabbitMQ
AI & GOVERNANCE RAG (pgvector), Agent orchestration, Fail-closed policy engines, SHA-256 evidence packs, Eval/trace discipline	INFRASTRUCTURE Vercel, Docker, Fly.io, GitHub Actions, CI invariant enforcement, Neon (PostgreSQL)

BROKERAGE DOMAIN MT4/MT5 Manager APIs, MetaApi, PAMM/MAM, Sumsb KYC, Praxis Payments, dealing desk operations	TESTING & QUALITY Vitest, Jest, 478+ test suites, load testing, shadow-mode validation, CI gate enforcement
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EXPERIENCE

Founder & Principal — Product & Delivery2024 – Present

Asadi Labs LLC • Yerevan, Armenia / Remote

- Founded Asadi Labs LLC and built seven fintech systems end to end, working AI-orchestrated: I define the business logic, risk parameters and architectural constraints, then audit, test and deploy against them
- Architected "Brokerage in a Box" — governance-first suite for Forex/CFD brokerages: dealing desk intelligence (Truvesta), multi-tenant CRM and IB commission platform (Ardura), mobile trading (Veralis, Volt), broker academy infrastructure (EdifyTrade), and the Asadi Gate policy engine
- Took EdifyTrade live as a multi-tenant Broker Academy OS — 47 data models, 7 role-scoped portals, 217 test files, white-labelled across two brands; Asadi Studio is live at studio.asadi.ai, and the remaining four are portfolio assets built to production standard, not ventures chasing traction
- Architected governance infrastructure across the suite: hash-chained audit logs, DB-level immutability triggers, fail-closed policy engines, append-only ledgers with idempotency keys, and decisions snapshotted with their evidence
- Established CI-based invariant enforcement — builds fail if governance rules are violated — plus shadow-mode parity validation, 478+ tests, and load testing to 22k concurrent WebSocket connections

Operations Team LeaderJun 2022 – Sep 2023

Exclusive Management Services (Fintech) • Limassol, Cyprus

- Led cross-functional delivery for a regulated Forex/CFD brokerage — client/partner registration, social trading integration, and dynamic leverage configuration
- Coordinated across compliance, operations, and engineering to ship platform features under multiple regulators' constraints, not a single jurisdiction

Head of PMOMar 2021 – Jan 2022

Primus Global (Fintech) • Limassol, Cyprus

- Built the PMO from scratch for a regulated brokerage — defined delivery frameworks, introduced scaled Agile practices, ran portfolio prioritization
- Managed concurrent project portfolio spanning client platforms, payment integrations, and compliance initiatives

Project Manager2018 – 2020

FXPRIMUS / TIO Markets (Fintech) • Limassol, Cyprus

- Delivered end-to-end broker platform infrastructure: Client Area, Partner Area (IB portal), CRM/back-office, commissions engine, and payment gateway integrations
- Managed MT5 platform integration and multi-gateway payment processing across cards, e-wallets, and crypto channels

Business Analyst2011 – Feb 2018

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

- Led requirements and integration for PAMM/MAM social trading systems, client registration flows, and multi-method payment processing
- Designed back-office workflows and operational tooling for white-label brokerage technology clients across Southeast Asia

EDUCATION & CERTIFICATIONS

- M.S., Industrial Engineering
University of Technology Malaysia (2009–2011)
- B.S., Industrial Engineering (Systems Analysis)
University of Azad Iran (2002–2006)

LANGUAGES

- English (Fluent) Persian (Fluent) German (Intermediate)
- Malay (Intermediate) Greek (Basic)

CBAP

PMP