

Ali Zahid Raja

AI Systems Architect · Independent Researcher · Applied AI Engineer

alizahidraja.com · linkedin.com/in/alizahidraja · github.com/alizahidraja · kaggle.com/alizahidraja

Applied AI engineer and systems builder who turns AI capability into production systems - and, increasingly, into published research. Range across logistics, healthcare, fintech, voice AI, and large-scale knowledge platforms, including systems serving **25k+ users across 150+ countries**. Strongest at the seam between technical capability and operational outcome: finding where AI creates leverage, designing systems that survive real-world constraints - latency, concurrency, reliability - and shipping them to production. Recently authored an independent research framework on claim-level provenance in multi-agent systems.

RESEARCH & OPEN SOURCE

ISNAD — *Grading the Narrators: An Isnād–Rijāl Framework for Claim-Level Provenance in Multi-Agent Knowledge Systems* (2026)

- Authored a novel framework that brings the classical isnād–rijāl method of source evaluation to claim-level provenance and trust in multi-agent knowledge systems — grading not just claims, but the chain and reliability of their sources.
- Published with a [Zenodo DOI](#) and a full open-source implementation ([pip install isnad](#), [GitHub](#)) plus a companion article. Under preparation for submission to TMLR.

PROFESSIONAL EXPERIENCE

Co-Founder & CTO — Entropic (Entropic Brain) *UK · Remote | Jun 2026 – Present*

- Building Entropic Brain, an AI Chief of Staff for founder-led performance-marketing agencies (10–35 people) - a system that absorbs the operational and coordination load a founder normally carries (client reporting, internal workflows, institutional knowledge) and surfaces decisions instead of tasks.
- Designed the full technical architecture end-to-end: Supabase, Nango, n8n, LLM API, and Resend, delivered as an audit + installation + monthly retainer.
- Locked ICP, pricing, and go-to-market; built and shipped the product site (React/Vite, Firebase) with bot-readable prerendering.

Founder & CTO — Entropic Technologies *UK · Remote | Aug 2024 – Jun 2026*

- Founded and ran a UK-registered AI consultancy, delivering production AI systems to 13+ clients across healthcare, marketing, automation, and data - before pivoting the company into the Entropic Brain product.
- Designed LLM-based workflows for document understanding, structured extraction, and operational automation.
- Built scalable backend services and real-time processing pipelines; owned deployment and infrastructure across AWS, GCP, and Docker.
- Worked directly with technical and business stakeholders to translate requirements into shipped production systems.

Founder — Islam & AI *UK | Mar 2023 – Present*

- Built and scaled a multilingual retrieval platform over multi-GB Islamic datasets (Qur'an, Hadith, Tafsir) to 25k+ users across 150+ countries.
- Designed hybrid retrieval combining embeddings, keyword search, reranking, and metadata filtering; tuned for large-scale multilingual latency.
- Grew organically and declined acquisition offers to keep the platform independent and mission-aligned.

AI Engineer / Voice AI Lead — Glacis *USA · Remote | Apr 2025 – Aug 2025*

- Designed and deployed voice AI workflows automating outbound logistics coordination, integrating LLM reasoning with telephony infrastructure.
- Built handling for interruptions, ambiguity, state management, and real-time decision flow; tuned reliability and task-completion in live operations.
- Automated manual coordination workflows, cutting operational workload by an estimated 30–50%.

Machine Learning Lead — Genie AI *Canada · Remote | May 2024 – Aug 2024*

- Led development of an AI voice assistant combining speech, retrieval, and personalization; delivered an MVP from concept to production.

Chief AI Officer & Co-Founder — Maverick AI *KSA | Sep 2020 – Apr 2022*

- Led computer-vision and OCR initiatives that replaced manual verification workflows with automated systems.
- Presented the company's AI work to Saudi government stakeholders.

Earlier

- Motive (formerly KeepTruckin), USA - built AI testing pipelines for production computer-vision systems (Silicon Valley).
- Polymer Labs, USA - blockchain interoperability engineering (Cosmos IBC).

SELECTED PROJECTS

- [MDVoice](#) - AI documentation platform generating structured SOAP notes from real-time clinical conversation.
- [FinMap](#) - AI assistant for budgeting and financial insights.

TECHNICAL SKILLS

Languages: Python, Go, C++, JavaScript, SQL

AI / ML: LLMs, RAG, retrieval & reranking, conversational & voice AI (STT/TTS), computer vision, OCR, PyTorch, TensorFlow

Systems & Backend: FastAPI, Django, REST APIs, microservices, distributed systems, real-time pipelines

Infra & Tools: AWS, GCP, Docker, Supabase, n8n, Nango

Focus areas: Multi-Agent Knowledge Systems, Provenance & Trust, Retrieval, Voice AI

EDUCATION & HONORS

B.Sc. Computer Science — FAST NUCES, Islamabad (2016–2020)

- Advent of Code - Top 0.1% globally, #1 in Pakistan.
- Kaggle Competitions - Top 1% global ranking.
- [Runner-Up, Pakistan Science Fair 2020 \(Ulster University\)](#)