

SalemWise Solutions

Iskhak LLC d/b/a SalemWise Solutions · Plainsboro, New Jersey

CAPABILITY STATEMENT

Small business · AI and software engineering

Private, on-premise AI for agencies, primes and engineering firms: document Q&A that cites the source page, predictive models for forecasting and event detection, and voice agents, running on the customer's own GPUs. The senior engineers who built them do the work.

CORE COMPETENCIES

- **Document AI and retrieval (RAG):** Q&A over large PDF archives, including scanned pages (OCR). Answers are designed to cite the document and page, and to say when the sources do not support an answer.
- **Private, cloud-agnostic AI:** runs on AWS, Azure, Google Cloud, or the customer's own servers with open-weight models, designed so sensitive documents stay on the customer's infrastructure and are not sent to third-party AI services.
- **Predictive analytics:** time-series forecasting and event-prediction models, retrained on schedule and scored against actual outcomes on held-out data.
- **AI agents and voice automation:** tool-calling and real-time phone agents built on declarative, tested workflows that answer questions and book appointments; REST integrations.
- **GPU inference, evaluation and hardening:** serving LLM, speech-to-text and text-to-speech models with llama.cpp, vLLM and TensorRT-LLM; quantization and LoRA fine-tuning; every change measured for latency, throughput and quality, with golden-set and adversarial tests.

DIFFERENTIATORS

- Senior team (founder with 16+ years, ex-Google, ex-Meta); no junior bench.
- Verifiable answers: results are designed to link to the source document and page.
- Customer data can stay on customer infrastructure; no third-party AI service required.
- We offer fixed-price, scoped pilots; each includes written deliverables, tests and hand-over documentation.

RELEVANT EXPERIENCE (COMMERCIAL)

- **Corpus** (public demo: demo.salemwise.com). Page-cited search and drafting over an engineering firm's archive, shown on 57 public engineering documents (about 7,100 searchable pages). Hybrid retrieval, OCR for image-only pages, refusals when the archive lacks the answer, role-based permission trimming, local GPU.
- **Nxivo** (nxivo.ai). AI voice receptionist in production with paying small-business customers: answers calls, books appointments, texts the owner a summary.
- **Forecasting pipeline** (TensorSwing, live since August 2026). Models retrained weekly on our own GPU server, a person reviews each week before release, every forecast scored against actual outcomes. Event model: fine-tuned end-of-turn detector, AUC 0.796 vs 0.735 for LiveKit's open-source detector.
- **Measured GPU results** (internal benchmarks). TTS first audio 1.6x faster; first LLM response about 1.3 s to about 100 ms.

KEY PERSONNEL

Yermek Ibrayev, Founder and CEO. 16+ years as a software engineer, most recently Senior Software Engineer at Google (Meet) and Meta (Live), where he led a team of five engineers on live-comment safety. 1,400+ merged pull requests across our AI products in 2026.

COMPANY DATA

Legal name: Iskhak LLC (NJ, 2014)

DBA: SalemWise Solutions

Business size: Small business

UEI: GVLQELKT1RQ3

CAGE: 9PAH2

SAM: renewal submitted, pending CAGE validation

PSC: DA01, DA10, R499

Security: CMMC Level 1 self-assessment in progress

Partners: Microsoft AI Cloud Partner Program, AWS Partner Network

NAICS CODES

541511 Custom Computer Programming (primary)

513210 Software Publishers

541512 Computer Systems Design

541513 Computer Facilities Management

541519 Other Computer Related Services

541715 R&D, Physical/Engineering Sciences

518210 Data Processing and Hosting

541690 Scientific and Technical Consulting

STACK

Python, PyTorch, CUDA, llama.cpp, vLLM, TensorRT-LLM, open-weight Qwen models, PostgreSQL/pgvector, Tesseract OCR, Docker; NVIDIA GPUs.

ENGINEERING TEAM

Team experience: Google, Meta (Facebook), Snap, Nextdoor, The New York Times, Hopper, Stash, MoviePass, MIRROR.

CONTACT

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