

VERIFIED SME · AI & ENTERPRISE SOLUTIONS

Company Profile & Technical Capability

Architecting Intelligent Systems, Production-Grade LLM Deployments, and Enterprise Software for Growing Businesses.

Legal Entity Name	CÔNG TY TNHH MILI SOLUTION
Tax Code (Mã số thuế)	0111011261
Date of Incorporation	01/04/2023 (Active SME < 5 Years)
Charter Capital	3,000,000,000 VND
Registered Office	Số 45, Ngõ 81, Phố Trạm, Long Biên, Hà Nội
Founder & Executive Director	Nguyễn Đức Long (Enterprise Architect)
Official Website & Contact	https://milis.com.vn · long@milis.com.vn

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Verified Business Registration

Legally registered business entity operating under the Enterprise Law of Vietnam.

NATIONAL ENTERPRISE REGISTRY

CÔNG TY TNHH MILI SOLUTION

Mã số doanh nghiệp (Tax Code): 0111011261

Đăng ký lần đầu: 01/04/2023

Nơi cấp: Sở Kế hoạch và Đầu tư Thành phố Hà Nội

Tình trạng: Đang hoạt động (Active & Compliant)

✓ Verified in National Business Registry (dangkykinhdoanh.gov.vn)

ORGANIZATION SCALE

22

CORE TEAM

12

AI ENGINEERS

120+

DELIVERIES

02

Leadership & Technical Architects

Led by veteran architects with 14+ years designing high-throughput, mission-critical systems.

Nguyễn Đức Long (Long Nguyen) — Founder & CEO / Enterprise & Solution Architect

14+ Years Experience

Seasoned Enterprise Architect with over 14 years architecting distributed banking backends, logistics engines, and AI integration pipelines. Directs MiliSolution's technology strategy, LLM integration safety protocols, high-availability cloud setups, and technical delivery.

Enterprise Architecture

LLM Systems & RAG

Distributed Systems

Cloud & Security

PostgreSQL / Java / Node

Nguyễn Đức Lâm (Lam Nguyen) — Head of AI Research & Engineering

13+ Years Experience

Machine Learning and Natural Language Processing specialist with 13+ years in AI model fine-tuning, RAG retrieval architectures, vector databases, computer vision, and on-premise local inference optimization (Ollama / vLLM).

NLP & Embeddings

Vector Retrieval (pgvector, Qdrant)

Local Inference Deployments

PyTorch / Python

Nguyễn Thị Hoa (Hoa Nguyen) — Head of Quality Assurance & Reliability

6+ Years Experience

Directs automated testing, security audit workflows, latency benchmarking, and end-to-end verification for mission-critical client deployments. Ensures strict PDPL data privacy standards across all AI ingestion channels.

Test Automation

Performance Benchmarking

Security & Compliance

03

Deep AI & Enterprise Architecture

Engineered for accuracy, privacy, and production resilience — not generic wrapper scripts.

1. Retrieval-Augmented Generation (RAG)

Multi-stage document parsing, semantic chunking, and hybrid search (BM25 + Dense Vector Embeddings via pgvector and Qdrant). Cross-encoder re-ranking eliminates hallucinations and guarantees factual precision.

- Dense Retrieval
- Cross-Encoder Re-Ranking
- pgvector

2. Local & Hybrid LLM Deployments

For sensitive enterprise data and strict Vietnamese PDPL compliance: on-premise inference engines using optimized open weights (Llama 3, Qwen, DeepSeek) running on local vGPUs, isolated from public internet.

- Ollama / vLLM
- Air-Gapped Private VPC
- PDPL Compliant

3. Multi-Agent Orchestration & Tool Calling

Autonomous agent loops with structured JSON schemas, database read/write tools, and human-in-the-loop verification gates. Integrates seamlessly into enterprise CRM, ERP, and messaging platforms.

- Function Calling
- Agent Workflows
- Zalo / Telegram / Web

4. Enterprise System Foundations

Solid engineering core: Java Spring Boot and Node.js microservices, Next.js frontend, PostgreSQL with ACID guarantees, Redis cache clusters, Docker/Kubernetes container orchestration, and automated CI/CD.

- Java / Spring Boot
- Next.js 15 / React
- PostgreSQL / Redis

04

Service Matrix

Service Domain	Enterprise Scope	Tech Stack
AI Conversational Agents	24/7 intelligent customer service, knowledge base QA, lead qualification, Zalo/Messenger/Web sync.	Claude, GPT-4o, LangChain, RAG, pgvector, Redis
AIOps & Automated Workflows	Predictive monitoring, anomaly detection, automated ticketing and incident root-cause analysis.	Python, FastAPI, Prometheus, Grafana, LLM Agents
Computer Vision & Camera AI	Automated quality inspection, license plate recognition, real-time security surveillance.	YOLO, OpenCV, PyTorch, Edge Devices
Document OCR & eVisa Portal	Automated passport and ID card extraction, document verification, multi-channel workflow portal.	Tesseract OCR, AI Classifier, Java, PostgreSQL
Custom Software & ERP	Bespoke enterprise software tailored for Vietnamese SMEs: inventory, accounting, logistics.	Java, Node.js, Next.js, PostgreSQL, Docker

05 Featured Enterprise Case Studies

Selected project references delivering quantifiable business results.

Hệ thống Quản lý Hồ sơ eVisa & AI Document Processing Gia Corp Travel Services · 2023

Scope: 200 daily enterprise users across 14 modules. Automated identification, passport OCR extraction, classification, and status tracking for foreign travelers.

✓ **Outcome:** Reduced dossier processing time by 70%, reduced manual data entry errors by 90%, and scaled throughput 3x without increasing back-office staff.

Enterprise Fleet Management & Telematics System Commercial Joint-Stock Bank · 2024

Scope: 100 enterprise users, 10 operational modules. Real-time GPS telematics, predictive maintenance scheduling, and route optimization across commercial banking fleets.

✓ **Outcome:** Cut operational fuel and maintenance costs by 30%, provided 99.9% uptime real-time tracking, and automated driver dispatching.

Retail Conversational AI & E-Commerce Assistant Retail SME Client · 2024

Scope: Multi-channel RAG-powered chatbot integrating Zalo, Facebook Messenger, and Website for 10,000+ daily shoppers. Integrated live inventory and order tracking APIs.

✓ **Outcome:** Automated 70% of customer inquiries without human agent involvement, increased conversion rate by 18%, and maintained sub-2 second response latency.

06 Legal Verification & Official Contact

For Grant Reviewers, Enterprise Procurement & Partner Verification:

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Legal Representative: Nguyễn Đức Long
Official Website: <https://milis.com.vn>
Direct Email: long@milis.com.vn
Direct Phone / Zalo: +84 39 334 0991

MiliSolution is committed to strict data privacy, enterprise-grade uptime, and advancing artificial intelligence solutions for Vietnamese enterprises.