



PRODUCTION AI ENGINEERING

AI systems designed for real operating environments.

CoreRiqo Labs builds LLM applications, AI agents, intelligent automation, document AI, computer vision, and complete AI-enabled SaaS products - from discovery and prototype through production deployment and support.

CAPABILITIES	CONTACT
LLM & RAG / AI AGENTS / n8n AUTOMATION DOCUMENT AI / COMPUTER VISION / AI SAAS	info@coreriqolabs.com https://coreriqolabs.com

One engineering partner for the complete AI system.

01 LLM Applications & RAG	Private knowledge assistants, enterprise search, cited document Q&A;, hybrid retrieval, permission-aware context, and RAG evaluation.
02 AI Agents & Copilots	Tool-using agents for research, operations, customer service, voice, and internal work - with bounded permissions, validation, and human approval.
03 n8n Automation	Reliable cross-system workflows connecting CRMs, email, forms, documents, databases, APIs, approvals, error queues, alerts, and audit records.
04 Document AI & OCR	Classification, image preprocessing, OCR, layout and table extraction, normalized schemas, business-rule validation, and focused human review.
05 Computer Vision	Object detection, multi-object tracking, pose, OCR, visual inspection, event logic, edge optimization, and cloud or device deployment.
06 AI SaaS Development	Complete AI products with product UX, secure APIs, authentication, tenant isolation, data layers, model gateways, admin controls, and observability.

From a business problem to a reliable production system.

01

Discovery & AI audit
Clarify the user, workflow, business decision, data, systems, constraints, risk, and success criteria.

02

Prototype & evaluation
Build a focused proof, create realistic test cases, compare approaches, and measure quality before scaling.

03

Product & production
Engineer the model layer, backend, interface, integrations, security, monitoring, and cloud deployment as one system.

04

Improve & support
Review usage, failures, quality, latency, cost, and feedback; then improve the system safely.

PRODUCTION STANDARDS

Evaluation before scale	Security by design	Human control where it matters
Observable AI	Model flexibility	Production economics

Modern AI, sensible engineering, complete ownership.

LLMs & agents

OpenAI, Anthropic, Gemini, open models, LangChain, LlamaIndex, tool calling, structured outputs

Automation & integration

n8n, webhooks, REST, GraphQL, queues, CRMs, helpdesks, email, Slack, Google Workspace

Machine learning & vision

Python, PyTorch, TensorFlow, OpenCV, YOLO, MediaPipe, PaddleOCR, ONNX, TensorRT, TFLite, CoreML

Products & cloud

FastAPI, Flask, React, PostgreSQL, MongoDB, pgvector, AWS, Docker, CI/CD, observability

WHAT CLIENTS RECEIVE

Production-ready code	Deployment package	Documentation & support
Structured source, tested APIs, configuration, validation, error handling, and observability.	Environment templates, database setup, containers, cloud architecture, security boundaries, and release guidance.	Architecture notes, API documentation, runbooks, evaluation guidance, handover, and post-launch improvement.

Client work protected by NDAs remains confidential. Public demonstrations use original, non-client data to communicate engineering capability without exposing protected project information.

Book a 30-minute AI consultation:
<https://coreriqolabs.com/book-consultation>