

Maksym Lukianov

CONTROLLED ENGINEERING TRANSFORMATION

Head of Engineering & Co-Founder

OTAKOYI

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OTAKOYI articles

AT A GLANCE

- Web engineering since 2006
- OTAKOYI co-founder since 2011
- 20 years across product, engineering, and leadership
- Based in Lviv, Ukraine

CORE CAPABILITIES

Legacy & Platform Modernization
Architecture and migration controls for business-critical systems.

Engineering Architecture
Scalability, reliability, boundaries, and service ownership.

Delivery & Ownership Systems
Decision rights, verification, and predictable execution.

Competency & Staffing Systems
Evidence-based assessment, development, and allocation.

Controlled AI Adoption
SDD, agents, human oversight, and measurable workflow impact.

SELECTED TECHNOLOGIES

Web & Backend
TypeScript, JavaScript, PHP, Node.js, FastAPI, Next.js, React

Architecture & Data
Microservices, Event-Driven Architecture, REST APIs, PostgreSQL, MySQL, Redis

Cloud & Delivery
AWS, Azure, Docker, CI/CD, automated testing

AI Engineering
OpenAI, Anthropic, and Gemini APIs; LangChain, LangGraph, n8n

EXECUTIVE PROFILE

I help established companies modernize legacy platforms, scale engineering systems, and adopt AI with controlled risk. I lead the diagnosis, define the architecture and delivery controls, and assemble the OTAKOYI team responsible for implementation.

SELECTED IMPACT

● AI-ENABLED DELIVERY

Designed and introduced OTAKOYI's Spec-Driven Development methodology across four projects and nine engineers. Internal measurements comparing engineers' manual-work estimates with actual SDD delivery showed a 60-70% reduction in implementation time, while observed defects fell to approximately 5-7% of the previous baseline. Automated specifications and verification also reduced maintenance effort.

● LEGACY MODERNIZATION

Led the migration of a legacy monolith to a modern microservices architecture with automated testing. Reorganized an eight-person team into service-owning units and supported its growth to 14 engineers. Application-failure incidents fell from near-weekly occurrences to rare exceptions, now primarily associated with server software updates.

● ENGINEERING CAPABILITY SYSTEM

Designed and operated a framework covering 14 engineering dimensions. In 2026, it powered 51 assessments across 26 engineers and identified 18 high-priority skill-to-stack alignment risks, creating evidence for development, staffing, and technology planning.

HOW I LEAD TRANSFORMATION

DIAGNOSE Examine the system, delivery model, team capabilities, dependencies, and business risks before committing to implementation.

DESIGN Define the target architecture, ownership model, acceptance criteria, migration controls, and realistic delivery path.

DELIVER Assemble the OTAKOYI team, establish engineering controls, and verify outcomes throughout implementation.

LEADERSHIP AT OTAKOYI

Lead engineering architecture, technical standards, competency development, resource planning, and delivery governance across OTAKOYI. Personally lead high-risk diagnosis and transformation design; OTAKOYI provides the implementation capacity.

SELECTED PUBLIC WORK

Writing on engineering architecture, platform modernization, engineering systems, delivery, and pragmatic AI across LinkedIn and OTAKOYI publications.

Planning a high-risk engineering transformation?

Let's diagnose the system before committing to the build.

[Discuss your project with OTAKOYI](#)