



MIHAIL LEYBUK-GALIN

TECH LEAD / SOLUTION ARCHITECT - AI PLATFORMS & AGENTIC SYSTEMS

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Professional Summary: Tech Lead and Solution Architect with 10+ years of engineering experience building high-traffic e-commerce, SaaS, and real-time VoIP platforms. Expertise in Go, TypeScript, React, and Node.js, with a proven track record of designing distributed, event-driven microservices. Currently designing modular AI platforms, multi-agent systems, retrieval-augmented generation (RAG) solutions, and MCP integrations for enterprise use.

10+ Years

FULL-STACK & SYSTEMS ENGINEERING

40,000+ Products

HIGH-TRAFFIC E-COMMERCE PLATFORM

End-to-End

TECHNICAL LEADERSHIP & ARCHITECTURE

INDEPENDENT AI PROJECT & INITIATIVES

NeuroFlows AI Platform - Lead Architect & Developer

Present

- **Modular architecture:** Designed a multi-tenant AI automation platform with clearly separated agents, skills, workflows, guardrails, dynamic prompts, and knowledge bases.
- **LLM and agent orchestration:** Implemented Model Context Protocol (MCP), tool execution frameworks, and RAG pipelines integrated with enterprise APIs and CRM systems.
- **Production readiness:** Implemented asynchronous data processing, strict tenant isolation, fault isolation boundaries, access controls, and end-to-end observability of agent execution.

PROFESSIONAL EXPERIENCE

Tech Lead / Senior Full-Stack Engineer - Knigoland

2025 - Present

- **Platform ownership:** Lead technical strategy and development for a high-traffic e-commerce platform with 40,000+ products, covering the storefront, backend services, and integration pipelines.
- **Backend and microservices:** Built reliable Go services using Fiber, gRPC, GORM, and PostgreSQL for catalog management, order processing, loyalty programs, cashback, and reviews.
- **Frontend and performance:** Architected a resilient Next.js/React storefront with optimized server-side rendering (SSR), PWA capabilities, dynamic caching, and prefetching for fast load times.
- **Event-driven integrations:** Implemented Kafka stream processing and Redis Cluster distributed caching; integrated Oracle ERP, CRM, and Directus CMS with protection against external service failures.
- **Technical leadership:** Established engineering standards, conducted architecture and code reviews, mentored engineers, and coordinated cross-functional teams.

Stack: Go, Fiber, gRPC, Next.js, React, TypeScript, PostgreSQL, Redis Cluster, Kafka, Directus, Oracle ERP, Docker, Hetzner

Tech Lead / Full-Stack Developer - One VOIPlanet

Sep 2022 - Dec 2024

- **VoIP and IP telephony:** Integrated browser-based telephony (WebRTC, SIP) with Asterisk and Kamailio, connecting real-time calling capabilities to web applications.
- **Frontend architecture:** Led Vue.js and React frontend development, building modular UI components and robust state management models.
- **Delivery and performance:** Implemented CI/CD and automated code checks; improved performance through SSR, dynamic imports, and bundle optimization.

Stack: Vue.js, React, TypeScript, Node.js, NestJS, Redis, PostgreSQL, WebRTC, SIP, Asterisk, Kamailio, Docker, CI/CD

Clearwater, Florida, USA

- **Enterprise frontend:** Designed scalable architecture for retail systems using Vue.js, React, TypeScript, and modern JavaScript.
- **Legacy modernization:** Delivered a seamless, phased migration from Knockout.js to Vue.js without disrupting business operations.
- **Quality and accessibility:** Implemented automated testing with Jest and Cypress, WCAG accessibility standards, and advanced state management using Vuex and Redux.

Stack: Vue.js, React, TypeScript, Knockout.js, Vuex, Redux, Jest, Cypress, Webpack, REST APIs, WCAG

CORE SKILLS & EDUCATION

AI & Agentic Automation

LLM orchestration, RAG, MCP, multi-agent workflows, tool execution, guardrails, observability

Frontend & Data Technologies

React, Next.js, Vue.js, TypeScript, PostgreSQL, Redis Cluster, Docker, CI/CD

Architecture & Backend

System design, microservices, event-driven architecture (Kafka), Go, Node.js, NestJS, gRPC, REST, idempotency

Education & Languages

Specialist Degree in Applied Mathematics
Donetsk National University, 2008

Languages: Ukrainian (Native); English (Upper-Intermediate / Professional)