

KYRYLO KALUGIN

Solution / Application Architect | Technical Delivery Leader

Master of Computer Science, Software Engineering · National Aviation University, Kyiv, 2004

kyrylo.kalugin@gmail.com · [+380 68 199 0 399](tel:+380681990399) · 1981 · [linkedin.com/in/kyrylokalugin](https://www.linkedin.com/in/kyrylokalugin) · kalugin.pro

No relocation package or logistical relocation support required beyond the mandatory immigration process

PROFESSIONAL SUMMARY

Solution and application architecture practitioner with 25 years of software and digital-product experience and current hands-on production engineering in Java/Spring and TypeScript/Node.js. Owns architecture directly for independent production systems and has led technical trade-off, integration, migration and architecture-to-delivery work across enterprise financial-technology environments.

Current work covers application boundaries, APIs and data contracts, integration patterns, distributed and event-driven systems, resilience, security, observability, performance and deployment. Enterprise experience at FSI environments at *LSEG, Refinitiv/Thomson Reuters, Citibank* and *Deutsche Bank* adds large-scale delivery, cloud migration, governance and production-operation context. Particularly strong at turning architecture decisions into sequenced, testable and operationally sustainable implementation plans.

SELECTED ARCHITECTURE IMPACT

- Own end-to-end architecture for independently operated NWH and RaceMetrica platforms: application boundaries, APIs and integrations, data models, resilience, deployment, observability and production evolution.
- Led Refinitiv technical and delivery trade-off analysis for replacing tightly coupled SOAP/REST integrations with asynchronous AWS messaging and event-driven patterns, improving decoupling and release independence.
- Supported LSEG's AWS cloud/data-platform migration through architecture planning, technical design reviews and translation of approved designs into milestones, accountable workstreams and operational-readiness plans.
- Designed and built a TypeScript/JavaScript LSEG delivery-intelligence platform consolidating budget, resource, risk and delivery data from APIs and exports, reducing recurring manual reporting effort by approximately 80%.
- Diagnosed and improved an NWH production caching process from more than 60 minutes to four minutes by identifying ineffective index use, rewriting the query and adding automated coverage.
- Earlier at MTI (largest consumer goods distributor in Ukraine), led end-to-end architecture and delivery of distributed corporate IT systems and established technical standards and system blueprints.

ARCHITECTURE CAPABILITIES

Solution architecture · Application architecture · Integration architecture · System design · Functional and non-functional requirements · API and data-contract design · Distributed systems · Event-driven architecture · Asynchronous messaging · REST/SOAP integration · Data pipelines · EDI · Resilience and offline-first patterns · Cloud migration · Security and personal-data handling · Performance and scalability · Observability · Architecture trade-offs · Architecture-to-delivery translation

SELECTED ARCHITECTURE & ENGINEERING EXPERIENCE

Independent Product Engineering

Lead Engineer / Product Owner

2015–Present · Part-time alongside management roles; sole current professional activity since July 2025

Maintain 20–30 hours per week of independent production engineering, owning requirements, architecture, development, review, testing, release approval, deployment and operations.

NWH — Business Intelligence with ERP and CRM capabilities, Integration & Analytics Platform

Platform for a distribution business and connections with 50 retail partners.

- Designed and evolved a Java 21/Spring 6 service-layer monolith and backend-for-frontend using EclipseLink JPA and MariaDB; maintain JSP/jQuery administration and a React client application.
- Own application boundaries, data and integration design, security, API evolution, CI/CD, observability and production support.
- Operate a 12 GiB production database serving approximately 50,000 requests per day through the regular user/API layer, plus hundreds of EDI documents through separate endpoints across seven integrations and hundreds of AI-processed requests currently available to a limited audience.
- Maintain approximately 99.9% API uptime and near-continuous EDI availability; deploy approximately every two weeks through GitHub Actions and Docker Compose.

RaceMetrica — Real-time Timing, Tracking & Event Analytics

Independent platform piloted with limited access at 10+ live events, Türkiye Triathlon Federation. Sports analytics was developed with participation of Antalya Akdeniz University Sports Medicine Faculty and Olympic-winning Türkiye Archery Federation.

- Designed and implemented TypeScript/JavaScript and Node.js services, React and WebSockets from scratch in 2023 – before AI.
- Designed resilient transmission for inconsistent LTE coverage through retries, acknowledgements, differential updates, event ordering, local Web Storage caching and reconnect/resync flows.
- Designed live tracking for up to 50 athletes per start; supported an event with 80+ athletes across separate starts and eight timing checkpoints.
- Own functional and non-functional requirements, system design, code review, testing, deployment and production support.

LSEG (London Stock Exchange Group) via EPAM

Technical Program Manager (Data Platform Migration and Portfolio Governance)

February 2021 – June 2025 · Hybrid / Remote; London, UK



- Led delivery of a US municipal-market product migration from a legacy Refinitiv environment to the LSEG Data Platform on AWS, combining platform development, data migration and KTLO responsibility.
- Participated frequently in architecture planning, technical design reviews and code reviews; connected platform constraints, data flows and non-functional requirements with milestones, delivery sequencing and operational readiness.
- Coordinated architectural and business decisions through formal governance, preparing evidence, trade-offs and mitigation options for approval.
- Balanced data quality, information breadth and response-time constraints in customer-facing market-data experiences, including typeahead and search functionality.

Refinitiv (ex. Thomson Reuters) via EPAM

Project Manager, Scrum Master, Resource Manager (Cloud Migration, Multi-Team)

*October 2018 – June 2019 · Kyiv, Ukraine / London, UK*

- Led technical and delivery trade-off analysis for replacing synchronous point-to-point SOAP/REST integrations with async AWS messaging and event-driven patterns in a major Refinitiv product.
- Covered service boundaries, dependency reduction, migration sequencing and release independence while coordinating delivery in a mission-critical market-data environment.
- Reinforced TDD, automated testing, CI/CD governance, code-quality controls and cross-team release readiness across 18 teams operating a shared codebase.

Citibank Development Center via Luxoft

Project Manager (KYC/AML Customer Facing Platform)

*June 2018 – October 2018 · Kyiv, Ukraine / New York, US*

- Delivered a regulated, mobile-first customer-onboarding platform spanning user experience, KYC data flows, APIs, security, compliance, automated testing and production go-live.
- Strengthened CI/CD with AWS and Jenkins and supported L3 operations as a bridge among clients, support functions and development teams.

Deutsche Bank Development Center via Luxoft

Program Manager < Project Manager < Lead Business Analyst (Trading Platforms)

*February 2011 – June 2018*

Progressed from Lead Business Analyst on real-time trading platforms to Program Manager for a 108-FTE, seven-project technology organisation in the bank's trading domain.

- Progressed from business analysis on trading platforms to program leadership across seven projects.
- Improved requirements and data-model discipline, reducing change requests by approximately 60% and development/testing cycles by approximately 50%.
- Designed and built a real-time project-health dashboard using PHP, JavaScript and jQuery, integrating Jira API, code-quality and project-management data, including financial data.

MTI

Head of Internet Development Department

*April 2006–July 2008 · Kyiv, Ukraine*

- Led end-to-end architecture and delivery of distributed corporate IT systems using Java/Java EE, IBM WebSphere, Tomcat, PHP, C/C++, Linux and SQL-based platforms.
- Managed requirements, project planning, architecture, development, QA, deployment and system integration across multidisciplinary teams.
- Established technical standards and system blueprints and aligned technology roadmaps with business objectives.

Earlier Engineering & Technical Leadership*2000–2011 Technical Lead / Java Developer / Co-owner / Department Lead / Graphics Designer*

Check the full detailed work history: kalugin.pro. Built and led Java/web systems, architecture, delivery, requirements, QA, deployment and operational improvements before moving into larger-scale technology leadership.

TECHNOLOGY & DELIVERY TOOLKIT

Core / current: Java, Spring, JPA, TypeScript, JavaScript, Node.js, React, EclipseLink JPA, MariaDB, REST/SOAP APIs, WebSockets, asynchronous messaging, EDI, data pipelines, AWS, Docker Compose, GitHub Actions, Jenkins, CI/CD, TDD, automated testing, code review, observability, incident response, performance tuning.

Additional experience: Python, PHP, SQL, C/C++, JSP, jQuery, relational and NoSQL data models, Azure, GCP.

CERTIFICATIONS

PMI-CPMAI™ — scheduled September, PMI-PMP® — expired 2025; renewal in progress; PMI-ACP®; AWS Certified Solutions Architect – Associate — expired 2025; renewal in progress; Databricks Academy Accreditation — Generative AI Fundamentals; Azure Fundamentals; World Triathlon Community Coach

LANGUAGES

English — Fluent / full professional proficiency · Ukrainian — Native · Russian — Fluent · German — Elementary · Turkish — Limited working proficiency

RELOCATION

Ukrainian citizen currently based in Antalya, Türkiye. Relocation-ready for EU/EEA/UK/GCC / EU Blue Card route / UK/NL Skilled Migrant.