

Illia Kotvitskyi

.NET Software Engineer

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SUMMARY

Backend-focused .NET Software Engineer with 1.5+ years of production experience on FinTech infrastructure at LSEG via EPAM. Experienced with .NET Framework, ASP.NET Core, SQL Server, EF Core, observability, incident investigation, and CI/CD. Worked on legacy and modern services supporting a global trading platform, with focus on reliability, performance, monitoring, and production support.

TECHNICAL SKILLS

Backend	C#, .NET Framework, ASP.NET Core, .NET 8, EF Core, Dapper, REST APIs
Databases	SQL Server, T-SQL, PostgreSQL, MongoDB, Redis
Messaging & Integration	RabbitMQ, MassTransit, SignalR
DevOps & Observability	Docker, Azure, Jenkins, Terraform, Puppet, Datadog, ELK, Git
Frontend	TypeScript, Angular, jQuery

EXPERIENCE

Software Engineer | EPAM Systems (LSEG account)

Dec 2024 – Present · Remote

Backend engineering on the Administrative Pillar, a set of internal services supporting platform administration, monitoring, and production stability for a global trading platform.

- Investigated production incidents alongside the team as part of the on-call rotation. Diagnosed and resolved the root cause of a critical SAP integration issue affecting a key client, helping prevent potential contract escalation and service disruption.
- Resolved a recurring market-open outage in an authentication/permissions service failing 18M requests per week: traced the root cause to .NET Framework thread pool configuration, reproduced and tuned it under JMeter load of 100k req/s (from 100% failures at 7s avg to 100% success at 1s avg), and promoted the fix to production.
- Built an event-publishing feature on a team-owned service so other pillars receive state-change notifications over the platform's internal event bus, and added a dead-letter reprocessing path to the bus itself that retries failed events under configured conditions, replacing manual re-runs.
- Built Triage Companion, an internal CLI that uses Claude to convert Datadog alerts and service logs into a structured RCA draft (timeline, suspected cause, affected services, recommended mitigations) for on-call review. Adopted by five engineers; reduced early-triage time by approximately 15 minutes per incident.
- Improved Datadog observability: tuned or retired 10 alerts per month; built 5 dashboards on performance and business-logic metrics that page the Reliability Engineering team around market open/close, catching issues before users notice.

Stack: C#, ASP.NET Core, EF Core, SQL Server, MongoDB, TypeScript, Angular, jQuery, PowerShell, Terraform, Puppet, Jenkins, Datadog, ELK, Docker, Azure

EDUCATION

BSc Software Engineering — Zhytomyr Polytechnic State University, Ukraine · 2022 – 2026
Erasmus+ exchange semester at University of Maribor, Slovenia (2026)

Software Development Diploma — STEP IT Academy · 2020 – 2024

PROJECTS & CERTIFICATIONS

Lanka (diploma project) — Full-stack influencer-to-brand marketing platform. Features include Instagram OAuth account linking with audience analytics from the Instagram Graph API, campaign lifecycle management (creation, applications, contracts, tracking), and search-based matching of influencers to brand opportunities. Built as a sandbox for applying modular monolith design, DDD, CQRS, and event-driven patterns in modern .NET.

Certs: Microsoft Azure Fundamentals (AZ-900)