

Aleksandr Zadykian

Senior Software Engineer · Dev Tooling & Infrastructure, .NET, Go

me@zadykian.dev [Telegram](#) [GitHub](#) [Hirify](#) [LinkedIn](#) 📍 Tbilisi, Georgia 🌐 UTC+4

SUMMARY

Software Engineer specializing in developer tooling, infrastructure and distributed systems across .NET and Go.

Sped up product teams by building internal SDKs, platform components and automation tooling. Architected and delivered critical infrastructure for both a high-scale e-commerce platform (Ozon) and a Layer 2 blockchain network (=`nil`; Foundation).

Experienced in both modes of work and enjoy each: contributing within a small cross-functional team, and owning a project solo - from requirements and architecture to delivery and maintenance.

CORE SKILLS

`.NET` `Roslyn` `Go` `Postgres` `Redis` `gRPC` `Docker` `OpenTelemetry` `NUKE`

`Developer Tooling` `Build & Release Automation` `Distributed Systems`

EXPERIENCE

Lead SDK Developer

Jul 2025 → Present

[Mobile Park](#)

Mobile Park builds PaaS-delivered geolocation and telematics platforms for enterprise clients (taxi fleets, car sharing, vehicle leasing), plus industrial electronics with embedded software.

I am the sole developer of an internal .NET SDK ecosystem used by 15-20 engineers across product teams, owning the full cycle: requirements from business and from the engineers using the platform, architecture, development, testing and maintenance.

Highlights:

- Increased product-team delivery speed through reusable platform components, including a fully custom distributed caching framework and OpenTelemetry-based observability tooling
- Implemented a zero-touch release pipeline with package backward-compatibility validation across multiple runtimes, and Toxiproxy-based network fault-injection testing
- Developed Roslyn-based code analyzers, fixes and syntax rewriters that enforce platform usage guidelines and automate large-scale refactoring, reducing code review overhead

→ Built a dotnet CLI automating SQL Server → Postgres migration (schema, source code, SQL templates, integration testing), with embedded AI agent skills driving the workflow end-to-end

The platform is a modular monorepo - 30+ runtime libraries and Roslyn analyzers, build tooling, and multiple .NET CLI tools - delivered as NuGet packages through NUKE and Azure DevOps.

Senior Developer

Aug 2024 → Jul 2025

[=nil; Foundation](#)

=nil; is a multi-shard L2 blockchain built in Go - a Geth-derived EVM with per-shard IBFT consensus.

As part of the zkEVM Engineering team, I designed and built a system for a distributed Zero-Knowledge Proof (ZKP) generation network, coordinating computational tasks across a multi-shard L2 cluster.

[Project Main Repo \(GitHub\)](#) · [Recommendation Letter from our CTO \(PDF\)](#)

Highlights:

- Designed and implemented the batch processing core, aggregating cross-shard block subgraphs into provable batches
- Built the proof-task orchestration layer: scheduling across distributed prover nodes, with automatic recovery
- Implemented state synchronization between the L2 cluster and Ethereum: batch commitments in EIP-4844 blobs and on-chain state root finalization
- Introduced end-to-end observability: distributed batch-processing traces, proof generation stages, metrics and alerts, with SigNoz as an all-in-one observability platform, reducing debug time for distributed failures

The system was implemented primarily in Go and Solidity, with all major components open-sourced.

Lead Developer

Sep 2022 → Aug 2024

[Ozon Tech](#)

Ozon is one of the largest e-commerce platforms in the CIS, operating at a massive scale with a microservices-based architecture.

Highlights:

- Designed and led the development of a distributed financial system handling seller tariffication and charging processes, implemented in Go and C# with sharded Postgres as primary storage
- Implemented Kafka-based event workflows across billing and logistics services, replacing brittle synchronous integrations with retry-safe processing and fault isolation between subsystems
- Conducted internal workshops on release deployments and rollbacks, bidirectional schema migration, and monitoring, standardizing these practices across the team

Senior Developer

Mar 2021 → Sep 2022

[BARS Group](#)

BARS Group develops information systems for the public sector and large enterprises in Russia, including federal budget-planning and healthcare platforms.

Highlights:

- Developed reusable internal .NET libraries and tools, including data-access tooling and a custom CDC/distributed caching framework used by multiple engineering teams
- Led the refactoring and migration of a large monolithic application from .NET Framework 4.x to .NET 6
- Designed a Keycloak-based SSO for a billing system, centralizing user and role management across ~45 isolated Postgres instances and enforcing unified security policies
- Created and taught an internal backend development course; ~10 mentees later secured internships and full-time roles

Middle Developer

Aug 2019 → Mar 2021

[BARS Group](#)

Highlights:

- Developed new .NET Core data processing services utilizing Postgres, Redis and RabbitMQ-based RPC for a regional billing system
- Investigated performance and stability issues using WinDbg and JetBrains dotMemory/dotTrace

Junior Developer

Feb 2019 → Aug 2019

[BARS Group](#)

Highlights:

- Received a full-time offer two weeks into my first corporate software engineering role
- Built a Windows desktop application exposing a high-level API for physical cash register devices
- Developed and maintained SOAP (WCF) and REST (ASP.NET Core) integration services

EDUCATION

Bachelor's Degree, Software Engineering

Sep 2017 → Jun 2021

[Kazan State University](#)

Program Track: Information Systems Development (ISD)

Avg Grade: 4.84 / 5.00

Senior Project: Postgres Dynamic Configuration

[Project Main Repo \(GitHub\)](#) · [Report in Russian \(PDF\)](#)