Mikhail Razakov

C# / .NET Backend Developer · Systems & Reliability

razakov.mikhail@outlook.com
t.me/Micodiy
github.com/Misha1302

C#/.NET backend developer with approximately one year of aggregate commercial experience across related technologies (candidate-reported). I work on SharpChecker at ISP RAS, previously built LLVM tooling at MCST, operate VpnMediator, and design and review LMS payment flows.

Payment correctness

A webhook is not treated as ground truth: provider payment state is re-fetched and checked for id/status/environment/metadata/amount/currency

Recovery ownership

Durable inbox/outbox, idempotency, reconciliation, restart recovery, leases, and manual review for conflicting evidence

Release safety

Versioned releases, coordinated backup, atomic switching, health gates, and rollback to the previous release

PROFESSIONAL EXPERIENCE & CLIENT WORK

October 2026 — present

ISP RAS — SharpChecker development

- Work on symbolic computation in SharpChecker, a C#/.NET static-analysis tool.

July — August 2026

MCST — Compiler Engineering Intern

- Implemented a LICM pass for LLVM 22 in C++; hoisting conditions check loop structure, memory access, side effects, and speculative safety.
- Built a Python harness comparing program behavior before/after optimization and checking transform/no-transform cases.

PROJECTS

VpnMediator

Verifiable state transitions, backup/restore, health gates, and rollback-aware deployment; the public case study excludes secrets and user data.

UniversalToolchain / Wist2

Implemented an end-to-end pipeline with frontend, IR, optimization passes, interpreter, and a CIL backend; current exact test manifest: 1,324/1,324.

TuringSquare-LMS

Work in progress: checks and sandbox payments do not establish production readiness. No internal coin-wallet model.

SKILLS

.NET Backend
C#/.NET, ASP.NET Core, REST/OpenAPI, webhooks, background services, provider integrations

State & Data
PostgreSQL, SQLite, transactions, explicit state machines, idempotency keys, inbox/outbox, leases

Reliability
provider re-verification, reconciliation, retry ownership, restart recovery, audit/manual review, backup/restore

Operations / Platform
Linux, Docker Compose, nginx, systemd, health gates, versioned releases, atomic switching, rollback

EDUCATION

HSE University — Software Engineering

RECOGNITION

Organizer correspondence: only 5.0/5.0 score and only solution passing all 104/104 tests among 49 submissions.

Moscow / remote