Mikhail Razakov

SYSTEMS / PLATFORM ENGINEER · .NET

Moscow / remote · razakov.mikhail@outlook.com · Telegram · GitHub

PROFILE

I design and build .NET services and infrastructure with explicit module boundaries and recoverable, testable state. VpnMediator handles duplicate payment events and access recovery; UniversalToolchain checks dependencies before execution; in the LMS I own architectural invariants and review. Approx. one year of aggregate commercial development across a mixed stack.

TECHNICAL SKILLS

- C#/.NET, ASP.NET Core, EF Core, SQL/PostgreSQL, SQLite, REST/OpenAPI, async/await, Git/Linux
- Idempotency, payment/access state, reconciliation, recovery/rollback; typed module contracts, dependency graphs, invariant checks

EXPERIENCE

ISP RAS · SharpChecker Oct 2026 — present

Symbolic computation and structured C# code/declaration metadata for static analysis and AI-assisted defect recognition.

MCST · compiler engineering internship Jul — Aug 2026

C++23/LLVM 22: experimental LICM with conservative legality checks; Python differential checks of before/after behavior.

Commercial development · C#/.NET & adjacent technologies approx. 1 year total

Application and backend work with C#/.NET, Unity, ASP.NET Core, SQL/PostgreSQL, file I/O and servers. Duration is candidate-reported.

PROJECTS

UniversalToolchain · module contracts before runtime

Module contracts and dependencies form a validated LanguagePlan before runtime. Separate interpreter/CIL routes allow execution results to be compared instead of relying on module registration order.

VpnMediator · payment/access consistency

Payment events and access entitlements are separate. Duplicate events are processed idempotently, provider state is reconciled, and operational scripts provide backup, health gates and rollback.

TuringSquare-LMS · access control and implementation review

Role/course-access invariants and acceptance criteria for T-Bank sandbox payments. The project is in development; my focus is architecture decisions and review of agent-produced implementation.

EDUCATION AND RECOGNITION

HSE University — Software Engineering.

MEPhI Junior 2026, 1st-degree diploma; LangDev 2026 UniversalToolchain talk.