Ali Rakhmonberdiyev

Backend Engineer
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SUMMARY

Backend Engineer with 3+ years in banking and fintech, currently the core engineer behind a bank-wide AML/compliance platform — built from the ground up and owned end-to-end. Deep in .NET (C#, ASP.NET Core) and high-performance data access over PostgreSQL and Oracle (EF Core + Dapper), with a track record of shipping large external integrations (SWIFT, EISVO, card processing), screening/ML systems, OData APIs, and background automation. Comfortable across React/TypeScript, Docker, MinIO, and Grafana.

EXPERIENCE

.NET Software Engineer — Openbank *Feb 2024 – Present*
Tashkent, Uzbekistan · On-site

- **Core engineer of the bank's Internal Control (AML/compliance) platform — architected and built roughly 60–70% of the system from the ground up and have owned it end-to-end since inception, across .NET 9 services, PostgreSQL and Oracle, and a React/TypeScript compliance console.**
- **Designed and delivered the screening engine that vets customers, legal entities, and transactions against national and international watchlists (National, OFAC, UK, EU, Interpol, Interstate, Mercenary), pairing Jaro-Winkler fuzzy matching with an ML.NET confidence model to reduce false positives.**
- **Built the SWIFT payment compliance flow end-to-end — automated blacklist screening, an officer approve/reject decision workflow, and Creatio CRM integration.**
- **Delivered the EISVO foreign-trade integration and a bank-wide contract sync across 1,000+ corporate clients (Oracle ABS → EISVO → PostgreSQL), running automatically via scheduled background jobs.**
- **Created the enforcement subsystem — customer, account, card, and phone blocking integrated with Humo/UzCard processing centers, core banking (ABS), and identity — so officers can act on risk in real time; added sanctions TN VED code lists.**
- **Engineered the platform foundation: high-performance data access (EF Core + Dapper, complex SQL over Oracle and PostgreSQL), OData query APIs for the officer console, audit logging, and automated compliance jobs — serving as primary owner for architecture, code reviews, and critical data-logic decisions.**

Backend Engineer — Navitas *Oct 2022 – Nov 2023*
Tashkent, Uzbekistan · On-site

- **Improved scalability of the codebase by ~70% by applying DRY, KISS, SOLID, and other design principles and patterns.**
- **Optimized and refactored legacy SQL queries, reducing execution time by up to 50%; used PostgreSQL functions and Elasticsearch for fast search.**
- **Integrated services with Apache Kafka and worked with an OLAP database management system.**
- **Built a large service and web UI in Blazor to analyze client data; migrated 50–60% of the service database (functions, procedures, Elasticsearch) for speed, and implemented the database, server, and UI of the Navitas control panel.**
- **Designed database storage backed by MinIO shards so terabytes of objects are kept out of the database.**

Backend Engineer — Digital Generation Uzbekistan *Mar 2022 – Nov 2022*
Tashkent, Uzbekistan

- **Built a platform for testing algorithmic tasks; annotated model data and tested each service, writing attributes to persist data correctly.**
- **Zamin Education: built the server side — wrote and optimized a service storing the database, logs, and user courses; added and supported new features.**

SKILLS

- **Languages & Frameworks:** C#, .NET / ASP.NET Core, Blazor, JavaScript/TypeScript, React, SQL
- **Data:** PostgreSQL, Oracle, MongoDB, EF Core, Dapper, Elasticsearch, OData, ML.NET
- **Platform & Tools:** RESTful APIs, Microservices, Apache Kafka, Docker, MinIO, Grafana, Git, GitHub, GitLab, Jira, Clean Architecture

VOLUNTEERING

Microsoft Developer Community Uzbekistan — Dev Team Engineer / Organizer *Sep 2023 – Present*

- **Advance .NET adoption in Uzbekistan: organize events and create Uzbek-language resources to help newcomers learn .NET, and contribute to Uzbek-language .NET documentation.**

Google Developer Groups Tashkent — Volunteer *Nov 2023 – Present*

- **Support the developer community around Google technologies (Android, Chrome, Drive, Cloud) and product APIs such as Maps, Cast, and YouTube.**

OPEN-SOURCE CONTRIBUTION

Contributor — Microsoft MAUI Toolkit *Apr 2022 – Sep 2022*

- **Contributed to the open-source Microsoft MAUI Toolkit — improved code-review skills and provided technical support via service changes, bug fixes, and custom exceptions.**