ANDREI MARTYNENKO

FINANCIAL CRIME & COMPLIANCE TECHNOLOGY PROFESSIONAL

London, United Kingdom | +44 7869 381974 | andreimartynenko.com
github.com/AndreiMartynenko | linkedin.com/in/andrei-m-737512154

PROFESSIONAL PROFILE

Financial crime and compliance professional with 8 years of banking experience across AML/KYC, customer due diligence, enhanced due diligence, transaction monitoring, sanctions screening, regulatory reporting and UAT of compliance platforms. Combines first-hand knowledge of regulated banking controls with postgraduate software engineering training and hands-on Go backend development. Particularly suited to AML/KYC systems, financial crime technology, RegTech implementation, systems analysis and technical business analysis roles where auditability, traceability and data integrity are critical.

CORE EXPERTISE

AML/KYC & Controls: CDD, EDD, risk-based customer review, transaction monitoring, sanctions screening, customer data remediation, compliance reporting, regulatory inspection support, UAT and requirements validation

Technology: Go, REST APIs, gRPC, PostgreSQL, Redis, Docker, Git, Linux, GitHub Actions, Prometheus, Grafana, Jaeger, unit testing, concurrent processing, idempotency and audit-aware data modelling

PROFESSIONAL EXPERIENCE

Sumitomo Mitsui Banking Corporation Russia (SMBC Group) — **Mar 2017 - Mar 2020**

Leading Specialist - AML & KYC *| Moscow, Russia*

- Conducted enhanced due diligence and risk-based reviews of customers within a regulated banking environment.
- Investigated transaction-monitoring alerts and behavioural patterns across retail client portfolios.
- Supported sanctions-screening controls and escalated matters requiring further compliance review.
- Participated in UAT of AML/KYC systems, validating workflows and contributing to system improvements.
- Supported an AML/KYC control framework that successfully passed Central Bank regulatory inspections.

Deutsche Bank — **Jan 2016 - Feb 2017**

Operational KYC Analyst *| Moscow, Russia*

- Tested the dbCAR KYC/AML platform, validating business requirements and proposed system enhancements.
- Produced monthly risk metrics and compliance reporting for senior management.
- Supported migration and remediation of client KYC data for compliance systems and regulatory audit readiness.

Modulbank — **Mar 2015 - Nov 2015**

AML Chief Specialist, Financial Monitoring *| Moscow, Russia*

- Reviewed financial and accounting documentation for inconsistencies, potentially falsified information and indicators of financial crime.
- Analysed transactions and records for compliance with legal and regulatory requirements and prepared management reporting.

EARLIER BANKING EXPERIENCE

Alfa-Bank — **Aug 2013 - Aug 2014**

Lead Management Manager, Financial Monitoring of e-Banking *| Moscow, Russia*

- Reviewed suspicious transfers, transactions and supporting documents, gathering customer information to assess legitimacy.
- Conducted enquiries into potentially unlawful activity and maintained awareness of evolving AML practices and procedures.

Alfa-Bank — **Mar 2012 - Jul 2013**

Customer Care Specialist *| Moscow, Russia*

- Handled customer enquiries concerning accounts and transactions, resolved complaints and maintained accurate CRM records.

SELECTED SOFTWARE ENGINEERING PROJECTS

Financial Crime Compliance Platform — **Independent project**

github.com/AndreiMartynenko/financial-crime-compliance-platform

- Designed a layered Go platform (domain / application / infrastructure / transport) modelling real AML/KYC controls: explainable, rule-versioned customer risk scoring, maker-checker approval workflow and immutable, actor-attributed audit trails.

- Implemented idempotent transaction ingestion, deterministic transaction-monitoring rules, and sanctions/PEP/adverse-media screening with reviewer confirmation and false-positive disposition workflows.
- Built OIDC Authorization Code + PKCE authentication with role-based access control (analyst/reviewer/admin), and a full observability stack (Prometheus, Grafana, OpenTelemetry/Jaeger distributed tracing).
- Shipped production-oriented operations: Kubernetes staging deployment, CI with vulnerability scanning and race detection, disaster-recovery backup/restore drills, a documented threat model and service-level objectives.

Technology: Go, PostgreSQL, Redis, Docker, Kubernetes, Prometheus, Grafana, OpenTelemetry, GitHub Actions

Auth & Chat Microservices **Independent project**

github.com/AndreiMartynenko/chat-server

- Built authentication and chat services using JWT, RBAC, gRPC with a REST gateway and PostgreSQL migrations.
- Added metrics, dashboards, tracing, unit tests and CI security scanning.

Technology: Go, gRPC, PostgreSQL, Docker, Prometheus, Grafana, Jaeger

Proof-of-Signal - Event-Driven Signal Processing Platform **Independent project**

github.com/AndreiMartynenko/proof-of-signal

- Built a Go API gateway for market-style event ingestion and integrated a Python FastAPI enrichment service over HTTP.
- Implemented deterministic SHA-256 proof hashing, API-key authentication and CI test execution through GitHub Actions.

Technology: Go, Python, PostgreSQL, Docker, GitHub Actions

EDUCATION

Kingston University London **2025 - 2026**

MSc Software Engineering with Management

Capital City College Group **2022 - 2025**

Software Engineering - 14+ academic and practical projects; Graduate of the Year (01Founders / Salesforce)

Kingston University London **2020 - 2022**

MSc Banking & Finance

Plekhanov Russian University of Economics **2013 - 2018**

Bachelor's Degree in Finance

LANGUAGES

English - Professional Working Proficiency | Russian - Native | Ukrainian - Native