Andrei Martynenko

London, United Kingdom
GitHub: github.com/AndreiMartynenko
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PROFESSIONAL SUMMARY

Backend Developer specialising in Go (Golang) and API-driven backend systems.

Experience designing and building REST APIs, backend services, and data-processing components using Go and PostgreSQL. Particularly interested in concurrency, reliability, and predictable system behaviour.

Background in banking and financial compliance (AML/KYC, risk), bringing strong attention to correctness, data integrity, and failure-aware system design.

Based in London.

TECHNICAL SKILLS

Languages & Backend	**Databases**
Go (Golang), REST APIs, backend services, basic concurrency (goroutines, channels)	PostgreSQL, SQL, relational data modelling
Messaging & Async Concepts	**Caching**
Kafka (foundational knowledge), RabbitMQ (conceptual understanding)	Redis (basic caching patterns, TTL, cache-aside)
Dev & Infrastructure	**Engineering Practices**
Docker, Linux command line	API design, asynchronous processing concepts, unit testing, Git

EXPERIENCE

Self-Employed / Personal Projects — London, UK   Oct 2023 – Present

Backend Development (Go / Golang)

- Designing and implementing REST APIs and backend services using Go (Golang)
- Building data-processing and API integration components
- Working with PostgreSQL and relational data modelling
- Implementing basic concurrency patterns using goroutines
- Using Docker for development and environment management
- Designing small backend systems for experimental and research-oriented projects

JSC Sumitomo Mitsui Banking Corporation Russia — Moscow, Russia   Mar 2017 – Mar 2020

Leading Specialist — AML & KYC

- Performed risk-based KYC reviews and enhanced due diligence (EDD)
- Analysed customer records and transaction activity for compliance purposes
- Conducted customer due diligence (CDD) in line with AML regulations
- Supported sanctions screening and transaction monitoring workflows
- Collaborated with relationship managers and compliance teams
- Ensured accuracy, consistency, and regulatory adherence of client data

PROJECTS

AI Sentiment Market Prediction Platform (Go / Golang)

GitHub: github.com/AndreiMartynenko/ai-sentiment-market-prediction

- Designed and developed a Go-based backend service for aggregating market data and news
- Implemented REST endpoints for structured data retrieval and signal outputs
- Integrated external APIs and an ML-based sentiment analysis service
- Applied concurrent processing techniques for background tasks
- Implemented basic caching mechanisms using Redis
- Applied resilience patterns including timeouts and retries

Tech: Go (Golang), REST APIs, PostgreSQL, Redis, Docker

EDUCATION

Kingston University London — London, UK   2025 – 2026

MSc Software Engineering with Management

Capital City College Group — London, UK   2022 – 2025

Software Engineering

- Developed multiple academic projects using Go, JavaScript, SQL, and Docker
- Built practical software engineering and backend development foundations

Kingston University London — London, UK   2020 – 2022

MSc Banking & Finance

Plekhanov Russian University of Economics — Moscow, Russia   2013 – 2018

Bachelor's Degree in Finance

LANGUAGES

- English — Full Professional Proficiency
- Russian — Native
- Ukrainian — Native

INTERESTS

Backend engineering, distributed systems, fintech systems, piano