

DMITRIY MOTORIN

Applied AI / ML Engineering Lead | FinTech, Agentic Systems & RAG

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PROFILE

AI/ML engineering lead and hands-on builder with 12+ years of production engineering across FinTech, trading and data-intensive products. Builds AI products from initial problem framing and architecture through evaluation, deployment, observability, risk controls and iteration. Combines Python, PyTorch, scikit-learn, SQL and ONNX with grounded RAG, agentic workflows and deep experience shipping reliability-sensitive financial products.

LEADERSHIP AND TECHNICAL SCOPE

AI product strategy and roadmaps | Cross-functional delivery | LLM/RAG evaluation | Agentic workflows | Model deployment and monitoring | Python | PyTorch | scikit-learn | SQL | ONNX | Time-series ML | Feature engineering | Walk-forward validation | Backtesting | Risk controls | REST/FIX APIs | Swift | Rust | Core ML | CI/CD

PROFESSIONAL EXPERIENCE

Investizo LTD - Senior Mobile & Quantitative Developer

Jan 2023 - Present | Remote

- Designed production-oriented financial ML pipelines spanning market-data ingestion, feature engineering, purged/walk-forward validation, ONNX inference, backtesting, live monitoring and automated risk controls.
- Implemented and evaluated BiGRU/attention, Random Forest and time-series models with explicit leakage, execution and drawdown controls.
- Built Python/Rust services and broker/exchange integrations for streaming data, order execution and 24/5 automation across FIX, cTrader, MetaTrader and Binance APIs.
- Connected model behavior to product decisions through measurable validation, operational guardrails and failure handling.

MetaCAD - Founder & AI Product Engineer

Jan 2023 - Present | Parallel venture

- Built and launched an engineering platform from scratch around a Rust/WASM computational core, 14 modules and 113+ calculators.
- Added BYOK AI assistance, retrieval and grounding while keeping deterministic calculations and validation outside generative-model control.
- Defined product scope, architecture, roadmap, validation gates and release automation; published reproducible benchmark cases at github.com/metacadio/benchmarks.

Graphlogic - AI Solutions Architect

Jan 2025 - Nov 2025 | Project engagement

- Built grounded RAG pipelines with chunking, embeddings, hybrid retrieval, citations, evaluation, fallback paths and explicit human-review outcomes.
- Designed agentic workflows with schema-constrained extraction, queues, retries, validation, observability and auditability.
- Delivered document-intelligence pipelines using PDFKit/Vision OCR, deterministic normalization and privacy-aware on-device/cloud execution.

PROFESSIONAL EXPERIENCE - CONTINUED

Spotware Systems - Senior Mobile Developer & Product Manager, cTrader

Apr 2023 - Jan 2025 | Limassol, Cyprus

- Led discovery, requirements, acceptance criteria, release coordination and post-release analytics for trading features spanning quotes, charts, order entry, account state and automation workflows.
- Worked across mobile, backend and product teams on typed APIs, state synchronization, latency, reliability, market microstructure, FIX and execution-quality decisions.

LiteFinance - Senior Mobile Developer & Product Manager

Sep 2014 - Apr 2023

- Delivered and evolved iOS/Android trading products used by more than one million users, covering onboarding, market data, execution and account management.
- Led cross-functional planning and releases across engineering, backend, QA, design and analytics; used SQL/Python, experiments, funnels and LTV/ROI to guide iteration.

Ultimate Guitar - Mobile Developer & Growth/Data Engineer

2014 - 2016 | Kaliningrad

- Built mobile product flows, instrumentation and data pipelines for activation, search, discovery and retention; applied A/B testing, cohort and funnel analysis.

SELECTED PUBLIC PROOF

LLMCORTEX - local-first safety and memory for AI agents

Published a Python/PyPI package that injects deterministic risk tripwires before agent reasoning, with composable risk signals, audit logs, a fail-open contract, one runtime dependency and 219 passing tests. github.com/jimbokl/LLMCORTEX

GoldGRU - financial time-series ML

Implemented an inspectable PyTorch BiGRU/self-attention pipeline with 18 selected features, walk-forward validation, regularization, early stopping and explicit leakage/overfitting controls. github.com/jimbokl/GoldGRU

EvidencePipelineKit + FinStreamKit

Public Swift 6 packages demonstrating provenance-first OCR/RAG guardrails, contradiction gates, actor-owned market state and deterministic financial risk rules. github.com/jimbokl

EDUCATION AND LANGUAGES

Ufa University of Science and Technology - Master's candidate, Philosophy of Artificial Intelligence, 2026-2028 (expected)

State Marine Technical University of St. Petersburg - Master's degree, Engineering, 2000-2005

Russian - Native | English - Professional working proficiency