

Roman Kriuchko

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Summary

AI Engineer with 12+ years of software experience, focused on shipping LLM-powered products, autonomous agents and production ML systems. I design end-to-end AI features - from prompt and retrieval architecture (RAG, hybrid search, evals) to fine-tuning, agent orchestration with LangChain/LangGraph, and low-latency inference services in Python and TypeScript. I've led AI initiatives across fintech, Web3 and EdTech, and care equally about model quality, latency, cost and a clean product UX around the model.

Experience

Foxtrot Regacy Group

Founding AI Engineer | 07/2025 - Present

Built Foxquant, an AI-driven quantitative trading platform. Led the design of LLM-assisted research workflows, real-time signal models and the backtesting engine powering strategy discovery for retail and pro traders.

- ◆ Designed and shipped LLM-based copilots that translate natural-language hypotheses into runnable trading strategies
- ◆ Built a multi-agent research stack (LangGraph + OpenAI / Anthropic) for market analysis, news ingestion and signal generation
- ◆ Architected a hybrid RAG layer over financial filings and time-series data using pgvector and embeddings re-ranking
- ◆ Trained and fine-tuned forecasting models in PyTorch and integrated them with a low-latency FastAPI inference service
- ◆ Stood up MLOps pipelines (Docker, GitHub Actions, model registry, eval harness) for safe, repeatable releases
- ◆ Owned the end-to-end Next.js + Python product surface used by early-access traders

OpenZeppelin | Remote

Senior AI and Web3 Engineer | 10/2022 - 11/2024

Built AI tooling for blockchain security and analytics. Combined LLMs, retrieval and traditional ML to triage smart-contract risk, automate research and surface on-chain insights.

- ◆ Built an LLM-powered smart-contract review assistant that highlights vulnerability patterns and explains them in plain English
- ◆ Designed RAG pipelines over audit reports, EIPs and protocol docs with hybrid search (BM25 + embeddings)
- ◆ Developed ML models (Python, scikit-learn, PyTorch) for anomaly detection on on-chain transaction graphs
- ◆ Built internal Django + FastAPI services exposing model inference and agent workflows to the security team
- ◆ Partnered with research to evaluate prompts, tune retrieval and ship guardrails (PII, prompt-injection, output validation)

Aeternity | Remote

Machine Learning & Web3 Engineer | 06/2020 - 09/2022

Combined applied ML with blockchain product work - from NLP-driven chat experiences for crypto wallets to smart-contract automation and on-chain data analytics.

- ◆ Built an NLP-powered wallet chat that lets users discuss transactions and gets context-aware suggestions from an LLM backend
- ◆ Trained classification and ranking models for NFT collections, used in recommendation and discovery surfaces
- ◆ Designed and deployed smart contracts and the Python services that orchestrated minting, indexing and analytics

Geniusee | Kyiv

Senior Engineer - AI Features | 01/2017 - 5/2020

Led AI feature work inside EdTech and SaaS products: chatbots, semantic search, content generation and personalization for products used by tens of thousands of learners.

- ◆ Shipped an AI tutoring chatbot (LLM + retrieval over course content) that increased lesson completion by 30%
- ◆ Built recommendation and personalization services in Python, integrated with the React / Next.js learning UI
- ◆ Mentored engineers on prompt engineering, evaluation harnesses and safe rollout of AI features

Program-Ace | Kharkiv

Software Engineer — Computer Vision | 06/2024 - 12/2016

Worked on interactive 3D and AR products with computer-vision components: object tracking, segmentation pipelines and ML-assisted asset generation.

- ◆ Implemented computer-vision pipelines (OpenCV + classical ML) for AR object tracking inside training simulations
- ◆ Built a chatbot for customer support that reduced response times by 50% using intent classification and templated answers
- ◆ Optimized model inference and asset pipelines, cutting load times by 40%

Intellias | Lviv

Junior Engineer - Applied ML | 06/2012 - 02/2014

Joined an applied research team on non-invasive cancer-detection algorithms. Picked up deep learning fundamentals and built tooling around medical image processing.

- ◆ Implemented and benchmarked image-processing and ML algorithms for medical image classification
- ◆ Built internal data-labeling and evaluation tools using Python and web technologies
- ◆ Co-authored research write-ups and contributed to publications in image-processing venues

Skills

Python, TypeScript Frameworks / Libraries: React.js, Django, Angular, Vue.js Version Control Systems: Git, GitHub UI/UX Design: Styled Components, Bootstrap, Tailwind CSS Databases: PostgreSQL, MongoDB Deployment Tools: Docker, Heroku APIs: REST, GraphQL Web3 Technologies: Ethereum, Solidity, Smart Contracts Artificial Intelligence: ML Frameworks, Prompt Engineering Development Methodologies: Agile, Scrum

Education

Taras Shevchenko National University of Kyiv
Computer Science | 01/2012