

Denis Shevchenko

PYTHON DEVELOPER · BACKEND · FINTECH

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SUMMARY

Self-taught developer with production experience building data-heavy backend systems and fintech applications. Shipped a real platform to 415+ users with live payment processing. Architected an algorithmic trading system with broker API integration, ML-based signal generation, and GPU-accelerated backtesting on 15 years of market data. Comfortable working at the intersection of software engineering and financial systems. Fluent in modern AI-assisted development workflows — using LLM tools to architect, build, and iterate faster.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL

Databases: PostgreSQL, Redis

Cloud / Infra: AWS S3, Docker, Vercel, CI/CD

Frameworks: Node.js, FastAPI, Next.js 14

Messaging: Kafka, Redis Pub/Sub

ML / Data: XGBoost, GAN, pandas, CUDA

Broker APIs: OANDA REST, IBKR TWS, Telegram Bot

Tools: Git, GitLab, VS Code, Postman

AI Tools: GitHub Copilot, Claude, LLM-assisted dev

PROJECTS

Telegram Mini-App — Event-Driven Subscription Platform

Node.js · PostgreSQL · Redis · Kafka · AWS S3 · Telegram Stars | mid 2025 – late 2025

- Launched production platform reaching **415+ active users** with live paid transactions via Telegram Stars payments API
- Architected event-driven backend: Kafka message queue, Redis caching, AWS S3 media storage, PostgreSQL for persistence
- Built full internationalization (i18n) system supporting **7 languages**; managed 25,000+ line production codebase
- Owned end-to-end: schema design, API layer, payments integration, deployment, and scaling to hundreds of active users

Algorithmic Forex Trading System

Python · XGBoost · GAN · OANDA API · IBKR API · CUDA | late 2024 – mid 2025

- Built end-to-end live trading system with broker integration: OANDA REST API and IBKR TWS API for execution and market data feeds
- Implemented **XGBoost and GAN-based price prediction models** trained on 15 years of OHLCV Forex data (8.5 GB dataset)
- Built GPU-accelerated backtesting engine (RTX 3090) with Kelly Criterion position sizing and multi-timeframe confluence filtering
- Applied institutional-grade signal filters: 75%+ confidence threshold, 1:2 minimum risk/reward, cooldown logic per currency pair

Developer Portfolio — shevcodn.dev

Next.js 14 · TypeScript · Three.js · Framer Motion | 2026

- Built portfolio site from scratch with custom Three.js particle animation (120-node neural network visualization, real-time edge rendering)
- Deployed on Vercel with Cloudflare DNS and custom domain; configured transactional email routing at denis@shevcodn.dev

EDUCATION

Intercollegiate Academy of Personnel Management (MAUP)

2019–2022 | Kyiv, Ukraine

Computer Science Diploma Program, 3 years · Studies interrupted by war in Ukraine · Relocated to Canada, 2022

Self-Directed Python & Backend Engineering Training

2025 – Present | Toronto, CA

Structured curriculum: Python, Data Structures & Algorithms, OOP, Design Patterns (GoF), Backend Engineering — FastAPI, PostgreSQL, Docker, CI/CD · Targeting completion May 2026