

# Denis Shevchenko

PYTHON DEVELOPER · BACKEND · FINTECH

Toronto, Canada

[shevcodn@proton.me](mailto:shevcodn@proton.me)

[shevcodn.dev](https://shevcodn.dev)

[github.com/shevcodn](https://github.com/shevcodn)

## SUMMARY

Self-taught Python developer based in Toronto. Currently completing a structured 1000-task curriculum covering Data Structures, Algorithms, async Python, FastAPI and PostgreSQL (728/1000 completed). Building practical CLI fintech tools from scratch — real-time stock trackers and trading ledgers using public APIs and core data structures. Seeking my first junior Python role where I can apply hands-on skills, learn from seniors, and contribute to backend systems in a fintech environment.

## TECHNICAL SKILLS

**Languages:** Python, SQL

**Backend:** FastAPI (basics), PostgreSQL (basics)

**Tools:** Git, Docker basics, Vercel

**Core:** Data Structures & Algorithms, OOP

**APIs:** Alpha Vantage, OANDA REST

**CLI:** Rich UI, Async Python

**AI Tools:** GitHub Copilot, Claude (learning acceleration)

**Other:** VS Code, Postman

## PROJECTS

### Stock Portfolio Tracker

*Python · Alpha Vantage API · LinkedList · HashMap | 2025*

- CLI portfolio tracker with real-time stock prices via Alpha Vantage API
- Implemented **custom LinkedList for trade history** and HashMap for O(1) portfolio lookups
- Built after 500+ structured DSA tasks — data structures written from scratch, not library wrappers
- Live interactive demo at [shevcodn.dev](https://shevcodn.dev)

### TradeLedger — CLI Trade Journal

*Python · Rich UI · Heap sort · Binary Search | 2025*

- Personal trading journal with terminal UI built using Python Rich library
- Tracks P&L per trade, price alerts, and **top holdings ranked via Heap sort**
- Binary search for fast trade lookup across large transaction history
- Live interactive demo at [shevcodn.dev](https://shevcodn.dev)

### Algorithmic Trading System — Learning Project

*Python · OANDA API · Backtesting | 2024 – 2025*

- Personal project to learn broker API integration: OANDA REST API for live market data
- Built basic backtesting engine with signal filters and risk/reward logic
- Used as hands-on exploration of financial systems alongside Python curriculum

### Structured DSA Curriculum — [github.com/shevcodn/python-dsa](https://github.com/shevcodn/python-dsa)

*Python · FastAPI · PostgreSQL | 2025 – Present*

- **728/1000 tasks completed** — Data Structures, Algorithms, OOP, Design Patterns, Async Python
- FastAPI and PostgreSQL modules currently in progress · Full commit history public on GitHub

## EDUCATION

### Intercollegiate Academy of Personnel Management (MAUP)

2019–2022 | Kyiv, Ukraine

3 years Computer Science 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, FastAPI, PostgreSQL, Docker, CI/CD · Targeting completion May 2026

Open to junior Python opportunities in Toronto fintech — available immediately