Vladimir Kalnitsky

Email: klntsky@gmail.com
Website: https://klntsky.dev/

About

A 27-year-old software developer; markets, LLM and programming language theory enthusiast, self-proclaimed musician. Easily gets enamored with new ideas, despite being buried under a heavy load of an ever-growing list of TODO entries.

Education

Herzen State Pedagogical University   *2015/09 - 2019/07*
  B.S. in Information Systems & Technologies

ITMO University   *2019/09 - 2020/02*
  Software Engineering - Corporate Master's degree program by JetBrains (no degree)

ITMO University   *2021/02 - 2022/02*
  Big Data and Machine Learning, Master's program (no degree)

Employment history

Typeable   *2020/08 - 2022/01*
  Software Development (B2B solutions for travel industry, Haskell, Servant, PostgreSQL, Reflex FRP).

MLabs   *2022/01 - 2024/10*
  Software Development, Technical Leadership, cardano-transaction-library;
  Led the creation of the cardano-purescript ecosystem;
  Technical Leadership - Purus, a PureScript to Plutus Core compiler;
  Cardano dApp development (various)
  Cardano Query Layer standardization efforts - (link).

EmberAI   *2025/01 - 2025/07*
  LLM workflow automation (chatbots) for Web3 protocols. Rust, TypeScript.

Other Software Projects

osint.moe
  LLMs, Apify, xstate
  LLM-powered OSINT helper chat app that lets you build a living research graph. People, organizations, websites, locations, and other entities are captured as nodes, and evidence is represented as relationships between them.

purescript-docs-search
  Web Application, PureScript Halogen
  A search frontend for the documentation generated by the PureScript compiler (now merged with spago, PureScript's package manager)

Switch To Audible Tab
  Browser Extension, PureScript
  A WebExtension that simplifies browser tab navigation

More available here.

Languages

- English
- Russian - Mother tongue

Technical Strengths

- Proficient in: Rust, Haskell, TypeScript, PureScript, LLM APIs, Ethereum tooling, Plutus and Cardano tooling, Shell scripting, Python, SQL;
- Has experience with: Nix, Docker, C, C++, PHP, Dhall, Reflex (FRP framework), purescript-halogen, React;
- Other Skills: Technical Writing, Project Management, Technical Leadership, Software Architecture.

Personal Interests

- **Blockchains**: Consensus Research, MEV, Ledger Design;
- **Computer Science**: Programming Language Theory, Type Theory, Compilers;
- **Software Development**: Software Architecture, Functional Reactive Programming, Use of LLMs in software development;
- **Other**: Music, Digital Art