

VLADIMIR KALNITSKY

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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

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|---|--------------------------|
| Herzen State Pedagogical University B.S. in Information Systems & Technologies | <i>2015/09 - 2019/07</i> |
| ITMO University Software Engineering - Corporate Master's degree program by JetBrains (no degree) | <i>2019/09 - 2020/02</i> |
| ITMO University Big Data and Machine Learning, Master's program (no degree) | <i>2021/02 - 2022/02</i> |

EMPLOYMENT HISTORY

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|---|--------------------------|
| Typeable Software Development (B2B solutions for travel industry, Haskell, Servant, PostgreSQL, Reflex FRP). | <i>2020/08 - 2022/01</i> |
| MLabs 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). | <i>2022/01 - 2024/10</i> |
| EmberAI LLM workflow automation (chatbots) for Web3 protocols. Rust, TypeScript. | <i>2025/01 - 2025/07</i> |

OTHER SOFTWARE PROJECTS

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|--|
| @PoolAnalyticsBot app on Telegram DeFi, AMM DEX analytics Liquidity pool profitability analyzer for DeDust (TON AMM DEX) based on historical data. |
| 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