

VLADIMIR KALNITSKY

Email: klntsky@gmail.com

Website: <https://klntsky.dev/>

ABOUT

A 26-year-old software developer, crypto(currencies), LLM and programming languages 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 of Russia 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

Typeable Software Development (B2B solutions, 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>

OPEN SOURCE SOFTWARE PROJECTS

MetaPrompt language AI, LLM tooling A language for creating LLM-powered agents with execution flow control in natural language
purescript-docs-search Web Application, PureScript Halogen A search frontend for the documentation generated by the PureScript compiler (now merged with spago)
dzen-dhall Linux Desktop Customization, Application, Haskell A configuration manager for dzen2 bars featuring a Dhall-based DSL for interactive widgets
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: PureScript, Haskell, JavaScript, Plutus and Cardano tooling, Shell scripting, Python;
- Has experience with: C, C++, Rust, PHP, Nix, Dhall, Reflex (FRP framework), Truffle/Solidity, web3.js, PostgreSQL, SQLite, GraphQL, PureScript Halogen, React;
- Other Skills: Technical Writing, Project Management, Technical Leadership, Software Architecture Design.

PERSONAL INTERESTS

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