

VLADIMIR KALNITSKY

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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

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, 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](#)).

OPEN SOURCE SOFTWARE PROJECTS

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, Ethereum tooling, Shell scripting, Python, SQL;
- Has experience with: Nix, Rust, TypeScript, C, C++, PHP, Dhall, Reflex (FRP framework), 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, Use of LLMs in software development;
- **Other:** Experimental Music, Digital Art