Danila Danko

Software developer

Contacts

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Summary

Functional programmer mainly working with infrastructure and back-end. Able to develop interpreters, back-ends, domain-specific languages, scripts and libraries in Haskell. Implemented front-ends in PureScript and TypeScript. Used Nix and Bash extensively for setting up projects infrastructure. Have experience with Docker, Kubernetes, Pulumi, Helm. Worked with PostgreSQL and studied SQL. Used to write in C++, Python, Prolog, Wolfram language. Willing to deepen my software engineering knowledge and work on big products in a team of professional Haskell developers.

Education

Innopolis University - Computer Science
2019-2023

Work experience

Innopolis University, Center GIS - developer in the Polystat project
2021-2022

Interests

- Functional programming
- Domain-specific languages
- Improving developer experience
- Contributing to open-source
- DevOps

Projects

- flakes - Nix flakes for my projects
- try-phi - online interactive interpreter of EO and φ-calculus (Haskell, TypeScript, PureScript)
- breaking-news-org/back-end - news site back-end (Haskell, Pulumi, Kubernetes, Nix, PostgreSQL)
- servant-queryparam - plugins for servant (Haskell API library)
- clerk - declaratively generate spreadsheets (Haskell)
- ts-serializable-test - code generator for testing the ts-serializable library (Haskell, TypeScript)
- nix-vscode-extensions - Nix expressions for almost all VSCode extensions (Haskell, Nix)
- arigame - an arithmetics game (PureScript)
- projects - monorepo with my projects in Haskell and other languages.