

# Ksenia Portu

Software engineer,  
Mathematician, Haskell/Nix  
fan

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Up-to-date version of CV is available at  
<https://ksenia-portu.github.io/cv-dummy>

Linkedin

[Ksenia Portu](#)

Github

[Ksenia Portu](#)

Email

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Mathematics	★★★★	Haskell	★★★★	Functional programming	★★★★	Teaching	★★★★	NixOS	★★★	Linux	★★★★
Blockchain	★★★	Pi calculus	★★★	Petri nets	★★★	Linear Logic	★★★	Session types	★★★	Git	★★★★
Cryptography	★★★	Devops	★★★	Research and Software Development	★★★	Category theory	★★★	Dependent types	★★★	Recursion-schemes	★★★
Linear algebra	★★★	Statistics	★★★	Machine learning	★★★	Comonads	★★★	SQL	★★★★	Python	★★★★

Software engineer passionate about Mathematics

## Professional Experience

Haskell Software Engineer  
payment system

Haskell PostgreSQL docker docker-compose nix knative

Haskell Software Engineer  
recruitment web platform

Haskell PostgreSQL docker docker-compose

Haskell Software Engineer  
develop DSL

Haskell Nix package manager compiler lambda calculus Parsing Type inference Bidirectional typechecker Evaluation

Blockchain Haskell developer  
new generation blockchain

Haskell cryptography blockchain consensus algorithms p2p network routing smart-contracts RocksDB rancher docker

# Education

Ural Federal University / Applied Mathematics, 2007 - 2012, Master degree

## Additional Experience

### University Lecturer

#### Branch of Ural Federal University

Sem 2020 - Jun 2021

teaching

I teach such disciplines as

- Information System's design
- High-level programming languages (Haskell)
- Databases
- Semantic networks

I curate numerous students' programming projects.