Ksenia Portu

Software engineer, Mathematician, Haskell/Nix admirer

Last update: December 13, 2022

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

Mathematics ●●●●	Haskell ●●●●	Functional programming ●●●●	Teaching ●●●●
Blockchain ●●●○	Pi calculus ●●●●	Petri nets ●●●○	Linear Logic ●●●●
Cryptography ●●●○	Devops ●●●●	Research and Software Development ●●●○	Category theory ●●●●
Linear algebra ●●●○	Statistics ●●●●	Machine learning ●●●○	Comonads ●●●●

NixOS ●●○○	Linux ●●●●
Session types ●●●○	Git ●●●●
Dependent types ●●●○	Recursion-schemes ●●○○
SQL ●●●○	Python ●●●●

Software engineer passionate about Mathematics

Professional Experience

Haskell Software Engineer
payment system

Haskell · PostgreSQL · docker · docker-compose · nix · knative

Haskell Software Engineer
recruitement 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

Oct 2017 - Jan 2019 · 1 yr 4 mos
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 - full university year(two semesters)

teaching

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I taught such disciplines as
– Information System's design
– High-level programming languages (Haskell)
– Databases
– Semantic networks

I curated numerous students' programming projects.
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