DMITRII KOVANIKOV
Senior Software Engineer

I'm a passionate engineer and mentor with 7+ years of experience with a focus on Functional Programming. I never stop growing and learning new diverse skills. I'm a maintainer of multiple open-source projects in Haskell, Rust & Kotlin.

Preferences

`Haskell` `Rust` `OCaml` `Scala` `PostgreSQL` `Backend`
`Functional Programming` `Open Source` `Mentorship`

CONTACTS

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in linkedin.com/in/chshersh

github.com/chshersh

ACHIEVEMENTS

- *Successfully finished rewrite of 300K LOC Node.js project to Haskell with zero bugs on the first production release and sustained its healthy work*
- *Solved the high-level problem "Paid subscriptions don't work for some people" in a project with multiple constraints: microservices, lack of docs, unknown languages, non-reproducible errors*
- *Created a Haskell course for beginners with 17K+ views on YouTube and dozens of people finished succesfully*
- *Mentored a GSoC student on implementing a backend in Haskell & PostgreSQL*

EDUCATION

- **2011 – 2015**
  ITMO University, St. Petersburg
  Bachelor in Computer Science & Applied Math
- **2015 – 2016**
  ITMO University, St. Petersburg
  Masterinh in Software Engineering and Service Design

PROFESSIONAL EXPERIENCE

Feeld | Senior Software Engineer — *London, UK*
Apr 2022 – Present

`Haskell` `CoffeeScript` `TypeScript` `Python` `Go` `PostgreSQL` `MongoDB` `BigQuery`
`GCP` `K8S` `Helm` `Docker` `Prometheus` `Grafana` `BugSnag` `JIRA`

Architecting & engineering a scalable backend for a popular dating app
Key achievements:
- Fixed multi-year problems for paid users which increased the company's revenue and helped the CX team be more efficient
- Created an error-monitoring dashboard using MongoDB, PostgreSQL, BigQuery, Excel which helped driving product development priorities
- Implemented rate-limiting component free of race conditions and contributed it the upstream open-source dependency

Standard Chartered | Quantitative Developer — *London, UK*
Dec 2019 – Apr 2022

`Haskell` `Dhall` `SQLite` `K8S` `Docker` `Helm` `Grafana` `Confluence` `JIRA`

Implementing low-latency, high-throughput backend query engine
Key achievements:
- Helped the company save $8M/year by leading and finishing successfully the development of the trading regulations component
- Improved dev efficiency for the entire team by implementing contend-addressable caching for in a custom build tool

Holmusk | Software Engineer — *Singapore*
May 2018 – Nov 2019

`Haskell` `Elm` `PostgreSQL` `SQLite` `MySQL` `AWS` `Docker` `Protocol Buffers`

Engineering backend and frontend for the Type 2 Diabetes management platform
Key achievements:
- Designed & implemented the entire platform for Type 2 Diabetes clinical research
- Improved dev efficiency for the entire team by implementing contend-addressable caching for in a custom build tool

Serokell | Software Engineer — *St. Petersburg, Russia*
May 2016 – May 2018

`Haskell` `RocksDB` `YouTrack` `Blockchain`

Developing distributed blockchain and cryptocurrency technologies
Key achievements:
- Developed authorization part of a cryptocurrency to ensure smooth launch
- Created the company website in 2 days after a consultant spent 3 months on it

OTHERS

Yandex | Java Intern — *St. Petersburg, Russia*
Feb 2016 – May 2016

JetBrains | Kotlin Intern — *St. Petersburg, Russia*
Jul 2015 – Sep 2015