

ARTEM NIKIFOROV

nikiforo.name@gmail.com

Objective: Scala developer position.

Skills and Tools

Scala, SQL 02.2013 - Present (9 yrs)

Lightbend stack: akka, akka-http, slick 3 02.2016 - 12.2019 (3 yrs)

Typelevel stack: cats, ce2/3, fs2 08.2018 - Present (3.5 yrs)

tapir, fs2-io, fastparse, scodec 12.2019 - Present (2 yrs)

doobie, quill 12.2019 - Present (2 yrs)

PostgreSQL, Redis, RabbitMQ, HBase - Present

Docker, k8s, helm - Present

EMPLOYMENT

Backend Scala developer at Delimobil Ltd, Moscow, 12.2019 - Present

Responsibilities: Design and development of a system for Delimobil fleet management.

- Designed, developed and maintained Delimobil fleet management service using scala, Type-level stack(ce2/3, fs2, doobie) and other(quill, PostgreSQL, Redis, RabbitMQ, docker, k8s) technologies.
- Splitted monolithic application into several REST microservices, which improved system evolvability, maintainability, resilience and elasticity.
- Implemented several Wialon protocols that are used to manage more than 50% of the fleet.
- Gradually replaced a text protocol(Wialon IPS) with a binary protocol(Wialon Combine), which reduced company spendings on mobile traffic by 30%.
- Implemented a custom MQTT-based protocol that manages another 20% of Delimobil fleet. As a consequence, when a subcontractor ended support for that part of the fleet, cars were still able to operate. Moreover, a migration of subcontractor's infrastructure from Azure to a private cloud significantly reduced the operational costs for the company.
- Designed and implemented an HBase storage for all the historical telemetry data, which improved evolvability of the historical data.
- Created a set of internal libraries, open sourced two of them. Also, was a speaker at internal and local IT conferences.
- Found, localized and minimized some issues in opensource libraries(fs2, scodec-streams, ScalaPB) in use, fixed some of them.

Full stack Scala developer at Naumen Ltd, Ekaterinburg, 02.2016-12.2019

Responsibilities: Design and development of several web applications including russia.study.

- Operated in an Agile environment, collaborated with product managers and quality assurance engineers to prioritize, estimate and create tasks.
- Resolved more than 250 issues in 3 projects.
- Developed and maintained several web applications using Scala and Play framework.
- Designed and developed backend application using Scala, akka-http, slick 3, PostgreSQL.
- Designed and developed frontend application using Typescript, Angular 4.
- Developed sql analytical queries, analyzed the results.
- Was a speaker at local IT conferences.

Full stack Scala developer at Arcusys Ltd, Petrozavodsk, 02.2013-07.2015

Responsibilities: Development of Valamis eLearning platform.

- Operated in an Agile environment
- Developed several web portlets using Liferay, scalatra, slick2, MySQL.
- Switched ORM of Valamis from Liferay service builder to slick2.
- Designed and developed several functional units in Valamis.

Contributions

- The author of cabbit(github.com/delimobil/cabbit), fs2-hbase(github.com/delimobil/fs2-hbase)
- #11 contributor to fs2
- Contributed to scodec-stream, fs2rabbit, cats, ScalaPB, cats-effect, ce3.g8
- Was a speaker at several IT-events
 - “May the streams be with you” - youtu.be/qhr6DsHaNN4
A talk about akka streams - *JUG.SEV 05.2017*
 - “Practical applications of streams”
A talk about FS2 streams - *IT meetup @ delimobil HQ 02.2021*
 - “Property based testing” - youtu.be/mHzWBvkVzp0
A talk about scalacheck - *IT meetup @ delimobil HQ 09.2021*

EDUCATION

Petrozavodsk State University, Master’s degree in Informational technology, 2013
Petrozavodsk State University, Bachelor’s degree in Informational technology, 2011

CERTIFICATES

Functional Programming in Scala - Coursera

Verify ids: [WYDFFDU58Y7J, TGMLWRDV2ZTX, TGMLWRDV2ZTX, FVHXJ88NH3E6, X2S4ZV9EFSXK]