# Yury Badalyants

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| Nov 2022 — present | **Parrot Analytics.  Senior Software Engineer.** |
| | Combination of backend development (java) and data engineering (scala, python). Backends were mostly scrappers for sites like youtube, tumblr, wiki, tumblr, etc. Mainly worked as a data engineer: Spark, Airflow, Redshift, MySQL. Everything was in AWS: S3, RDS, EMR, Dynamo, OpenSearch, Kinesis, etc. Introduced, advocated and implemented migration to a monorepo. |
| Oct 2016 — Nov 2022 | **2gis. Senior → Lead Software Engineer.** |
| | The main product of the 2gis is online maps. I worked in 2 teams: |
| | 1. Ads + big data team. Mostly worked on a HTTP backend for serving personalized ads. Also I created a kafka-to-hdfs connector with the exactly-once delivery semantic using akka-streams. Occasionally worked with a spark. Techologies: Akka, Kafka, Spark, Hadoop. |
| | 2. The team focused on displaying products (goods) on the map (since Nov 2018). Participated in an architecture design of a whole new project from the start. Did a massive impact on a system in general, as well as designed and implemented a few crucial components. |
| | The system was designed as a group of microservices, which are mostly streaming services based on Kafka. Some of them were built with the kafka-streams. But most of the scala services were written in a purely functional manner using Typelevel libraries: cats, cats-effect (with the tagless-final), fs2, fs2-kafka, doobie, etc. |
| | Also, I used RabbitMQ, PostgreSQL, RocksDB, and ElasticSearch for different tasks. |
| | Eventually, I've become a lead developer: partially team management (resource planning, product planning, project management), hiring, mentoring (including internal scala courses). |
| Jun 2015 — Oct 2016 | **Datamonsters (formerly Flexis, iDecide). Software Engineer.** |
| | Participated in a few projects. Mostly worked on a mobile messenger. It was a full-stack scala development: scala on the backend, scala.js (through cordova) on the frontend.<br>Techs: Scala, Scala.js, Cordova, Akka, Play, RethinkDB |
| Oct 2014 — Jun 2015 | **Xored Software Inc. Software Engineer.** |
| | Worked on the Cisco XMP Topology: it's a network topology visualization project.<br>Backend: Java, Spring, Hibernate. Frontend: JavaScript, Dojo, TomSawyer, mxGraph. |
| Apr 2013 — Sep 2014 | **PinPay express. Developer → Team Lead.** |
| | Worked on 2 projects (~50/50): |
| | 1. JavaScript-based (webkit) GUI of the ATM (which was mostly a C++ Qt project). |
| | 2. Java EE processing backend. Techs: Java, Spring, Hibernate, OracleDB. |
| | At some point I became a team leader: project management, architecture, mentoring. Introduced a continuous integration pipeline (using Jenkins), SVN to git migration, massively improved documentation processes. |
| Apr 2013 — Jul 2013 | **Diasoft. Java developer.** |
| | Java fintech: Java EE, SOAP, OracleDB, MsSQL, DB2, Sybase. |
| Feb 2012 — Mar 2013 | **Saitostroy.Web-developer** |
| | Small web-studio: LAMP stack, HTML, JavaScript. |
| **Edu.:** | **NSTU**; Radio Engineering and Electronics faculty; Telecommunications; Bachelor. |
| **About me:** | Open-source contributor. Co-maintained testcontainers-scala and fs2-kafka libraries. Also contributed to cats, monix, kafka and others. |
| | Co-host of mostly scala-oriented podcasts scalalaz and flatmappers (both in Russian). |
| | Speaker (in Russian): Intro to Scala.js; Scala.js: When TypeScript is not enough; Metaprogramming in Scala; Integration testing of microservices with Scala; Pure FP: why and how; Production-ready functional programming. |