

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, etc. Mainly worked as a data engineer: Spark, Airflow, Redshift, MySQL, DuckDB. Everything was in AWS: S3, RDS, EMR, Dynamo, OpenSearch, Kinesis, etc.
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 Spark. Technologies: Akka, Kafka, Spark, Hadoop. 2. Since Nov 2018 — the team focused on displaying products (goods) on the map. 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 occasionally . 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. 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. 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 . New Zealand resident visa holder.