

Igor Tovstopyat-Nelip

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Profile

JVM ecosystem. Multiple JVM languages and frameworks with focus on functional programming.

Distributed and event-driven systems.

Relational and non-relational datastores.

Middle-tier and back-end, but can do occasional web UI.

Strong analytical and data processing skills.

Most recent titles and/or responsibilities: Lead Software Engineer, Staff Software Engineer, Application Architect (hands-on).

Skills

Primary languages: Scala, Clojure, Kotlin, Java. Other languages: Haskell, Python, Bash, etc., occasional Javascript.

App servers and frameworks: Lightbend stack (Play, Akka), Finagle, Ring, Spark, traditional Java servers, containers and frameworks (Jetty, Spring, JEE, etc.).

Datastores: Postgres, MySQL, Oracle, Mongo, others.

Cloud: AWS.

Infrastructure and Tools: SBT, Maven, Leiningen, Docker, IntelliJ IDEA, Vim, occasional Emacs, Git, Linux (currently Fedora), OS X.

Experience

Sunlight Payments, Staff software engineer.

Seattle (remotely), January 2018 - current.

Bill Gates funded start-up aiming to bring transparency and control to the market of charitable foundations.

Design and implementation of a scaleable, distributed, cloud-based web application that controls the flow of charitable money between multiple organizations and accounts.

Play, Finagle, Postgres, Docker, AWS. Functional Scala with type-level programming (ADTs, Cats, Shapeless, etc.).

Care Logistics, Lead software engineer.

Atlanta, April 2008 - January 2018.

Designing and developing software to control and optimize logistics of patient care and operations in hospitals ("Hospital OS"). Multiple, mostly web applications.

Kotlin, Clojure, Scala, Java, Erlang.

Postgres, Oracle. ActiveMQ. Kafka.

Yahoo! Yahoo team lead at Sabre Technologies. (In partnership with Macquarium Intelligent Communications.) *Sabre Technologies, Dallas, May 2003 - November 2005.*

Worked with the Yahoo-Sabre team on design and development of the global agency portal.

Team lead for the integration of Frontier Airlines into Sabre GDS.

J2EE, Yahoo portal framework, Oracle. Integration with the Sabre mainframe TPF.

Macquarium Intelligent Communications, Senior software engineer.

Atlanta, November 2002 - April 2008.

Multiple projects for different clients using different languages and frameworks, mostly Java dominated.

Java, Perl, Python. MySql, Oracle. Yahoo portal.

Education

Moscow Institute of Physics and Technology. (Theoretical physics). Master of Science.

Postgraduate studies in the Russian Academy of Sciences.