Yuriy D.
Senior Data Engineer / Data Architect

SUMMARY

- 15+ years of experience in IT;
- Strong knowledge in Mathematics and physics (over 30 scientific publications);
- Data Engineering and Data Architecture Experience
- System-level programming, OOP and OOD, functional programming;
- Profiling and optimizing code; Writing reliable code; Writing product documentation, supporting products;
- Team working, team leading; Mentoring skills as a senior developer;

TECHNICAL SKILLS

Main Technical Skills	Python, C++, Scala, Apache Airflow
Programming Languages	C++, GLSL, Java, JavaScript, Python, Scala
Scala Frameworks	Akka, Apache Spark, Play Framework
Scala Libraries and Tools	Akka, Akka Actors, Akka Streams, Alpakka, Scala Cats, Scalatest
Java Frameworks	Apache Spark, Hibernate, Play Framework, Spring
Java Libraries and Tools	Java Server Pages (JSP), Spring model-view-controller (MVC) framework
JavaScript Frameworks	jQuery
Data Analysis and Visualization Technologies	Apache Airflow, Apache Spark
Databases & Management Systems / ORM	Aerospike, Apache Hadoop, Apache Spark, AWS ElasticSearch, Cassandra, Data Lake, Hadoop ecosystem, Hibernate, MySQL, NoSQL, PostgreSQL, Redis, Slick database query, SQL
UI Frameworks, Libraries, and Browsers	CSS, HTML, jQuery
Cloud Platforms, Services & Computing	AWS, GCP
Amazon Web Services	AWS ElasticSearch
Third Party Tools / IDEs / SDK / Services	ActiveX, DevPartner Studio, Eclipse, IntelliJ IDEA, Visual Studio
Platforms	Aerospike, MetaTrader
	COM

Web/App Servers, Middleware	
Virtualization, Containers and Orchestration	Docker
Operating Systems	FreeBSD, GNU, Linux, macOS, Unix, Windows
Version Control	Git, MS SourceSafe, SVN
Message/Queue/Task Brokers	Kafka
SDK / API and Integrations	RESTful API, Websocket API, Windows API
QA, Test Automation, Security	Scalatest
UI/UX/Wireframing	STL
Mail / Network Protocols / Data transfer	TCP/IP
File Systems, Storage	XML
Other Technical Skills	GDI, Google Guice, Lightbend enterprise platforms, MQL4, Multithreading, Protocol buffer, Reactive, Specs2

EXPERIENCE

A software company – Chief Technology Officer, Vilnius

2016–Present
Description: IT company that is aimed to power our client's business by solving the toughest challenges using cutting-edge technology and deep sector analysis.
Technologies: Scala, Reactive (Akka, Play), Lightbend enterprise platforms, SQL and NoSQL DataBases, Data Lake implementation, Kafka, Spark, Hadoop framework, Docker, Git.

A software company - Chief Technology Officer

01/09/2016–Present
Description: Designing and developing backend servers for corporate systems for streaming and batch data processing.
Responsibilities:

- Making architecture decisions related to AWS S3, microservices etc.
- Prototype distributed systems
- Design Data Lake infrastructure
- Design batch and event-driven workflows for big data processing
- Big Data Hadoop Architect
- Implementation Hortonworks Data Flow (HDF) and apache Nifi /miNifi and Kafka

Technologies: Amazon Web Services, Google Cloud Platform, Scala, Akka Actors, Akka Streams, Alpakka, Kafka, Playframework, Scalatest, Specs2, Cats, Slick, MySQL, PostgreSQL, Cassandra, Apache Spark, Apache superset, Hadoop ecosystem, Protocol buffer, Google Guice, Docker, Git.

Server backend team leader

19/01/2015–01/09/2016
Description: Designing and developing server side for messenger. Scala was used as a main language for development. Used technologies: Akka, Play frameworks, NoSQL DBs (cassandra, aerospike), inter datacenter interaction, REST and Websocket API development. ProtocolBuffer for client-server interaction was used. Elasticsesrch was used as a search engine. All servers requests processed asynchronously

Java/C++ developer

2009–2014
Description: Web development, servers administration, metatrader experts programming, data analyzing etc.

C++ software developer

2001–2009
Description: Implementing and developing various software projects for MS Windows, Linux, FreeBSD. Designing and developing libraries for PDF, image, network tasks processing. Writing help documentation for the products. Products support.

C++ software developer

2001–2009
Description: Implementing and developing various software projects for MS Windows, Linux, FreeBSD. Designing and developing libraries for PDF, image, network tasks processing. Writing help documentation for the products. Products support.

EDUCATION

Master of Mathematics, Physics and IT
Ternopil National Pedagogical University, Physics and Mathematics department, Ternopil (Ukraine)
1992–1997

Ternopil National Pedagogical University, Ternopil (Ukraine)
Post-graduate
1997–2001

Philosophy Doctor in Physics and mathematics
2006

CERTIFICATES

Scala and Akka Lightbend Certified Expert