

Yuriy D.

Senior Data Engineer / Data Architect

SUMMARY

- 14+ years of experience in IT; - 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; - Strong knowledge in Mathematics and physics (over 30 scientific publications); - Mentoring skills as a senior developer;

TECHNICAL SKILLS

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| Main Technical Skills | Python, C++, Scala |
| 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, Spring Security |
| JavaScript Frameworks | jQuery |
| Data Analysis and Visualization Technologies | 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, XML |
| 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 |
| Virtualization, Containers and Orchestration | Docker |

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|---|---|
| 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 |
| Other Technical Skills | COM, 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. Elasticsearch 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

