

# Yaroslav M.

## Senior Scala Software Engineer with Cloud & Data Engineering skills

### SUMMARY

- Professional engineer with proven ability to develop efficient solutions for complex problems, including cloud and Data projects; - Microservice architecture expertise Lightbend Reactive Architecture, Infrastructure as Code expertise in AWS CloudFormation, CI/CD (Gitlab, AWS CodePipeline), Cloud expertise - AWS; -Engineer with the ability to develop efficient solutions for complex problems, including cloud projects, AWS Services (Amazon Quicksight, EC2, S3, Glue), Databricks, Kinesis; - API development RESTful, Swagger, GraphQL, API Gateway, Microservice architecture expertise - Commercial experience in IT since 2013; - Lightbend Reactive Architecture, Infrastructure as Code expertise in AWS CloudFormation, CI/CD (Gitlab, AWS CodePipeline); - System level programming, OOP and OOD, functional programming; Stress on profiling and optimizing code, writing reliable code; - System-level programming, OOP and OOD, functional programming; - Profiling and optimizing JVM code; - Experience with product documentation and supporting products; - Upper-intermediate English; - Available ASAP.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Scala, SQL, AWS
<b>Programming Languages</b>	C, C++, JavaScript, Scala
<b>Scala Frameworks</b>	Akka, Apache Spark, Play Framework
<b>Scala Libraries and Tools</b>	Akka, Akka Actors, Akka Framework, Akka Streams, Alpakka, Scala Cats, Scala Guice, Scala Specs2, Scalatest
<b>Java Frameworks</b>	Apache Spark, Play Framework
<b>Java Libraries and Tools</b>	JVM
<b>PHP Libraries and Tools</b>	PHPUnit
<b>Data Analysis and Visualization Technologies</b>	Apache Spark, AWS Athena
<b>Databases &amp; Management Systems / ORM</b>	Apache Hadoop, Apache Spark, AWS DynamoDB, Cassandra, Hadoop ecosystem, MongoDB, MySQL, NoSQL, PostgreSQL, Slick database query, SQL
<b>Cloud Platforms, Services &amp; Computing</b>	AWS
<b>Amazon Web Services</b>	AWS Athena, AWS Cloudformation, AWS CodePipeline, AWS DynamoDB, AWS EC2, AWS Glue, AWS Quicksight, AWS S3

<b>QA, Test Automation, Security</b>	CasperJS, Jasmine, Karma, Mock, PHPUnit, QUnit, Scalatest, Selenium Webdriver
<b>Third Party Tools / IDEs / SDK / Services</b>	DevPartner, DevPartner Studio, Eclipse, IntelliJ IDEA, Visual Studio
<b>Virtualization, Containers and Orchestration</b>	Docker, Kubernetes, Terraform
<b>Operating Systems</b>	FreeBSD, Linux, macOS, Windows
<b>Version Control</b>	Git, MS SourceSafe, SVN
<b>Logging and Monitoring</b>	Grafana
<b>Message/Queue/Task Brokers</b>	Kafka
<b>Platforms</b>	MetaTrader
<b>Methodologies, Paradigms and Patterns</b>	OOD, OOP
<b>Other Technical Skills</b>	Protobuf

## EXPERIENCE

### SOFTWARE ENGINEER

03/2021 – CURRENT

B2B Gaming. The delivery of multiple software delivery streams, overseeing the team in areas such as quality, delivery schedule, risk mitigation, resourcing planning, and overall productivity

#### Responsibilities:

- Migrate from monolithic architecture to microservices infrastructure.
- Developing API on the back end. Experience in working in a distributed team, Microservice system architecting.
- Developing new features and bug fixes
- Review of the pool of requests
- Code review
- Unit Testing

**Technologies:** Scala, Cassandra, PostgreSQL, Angular2, Reactive (Akka, Play), SQL, Kubernetes, Docker, Kafka, Spark, Hadoop framework, AWS: (CloudFormation, Kinesis Data Firehose, S3, Glue, Athena) Git.

### SCALA DATA ENGINEER

11/2018 – 03/2021

Project: Audience.

#### Responsibilities:

- Built data pipelines for server logs streaming.



- Built ETL from collecting data with AWS, Kinesis agent, real-time processing in Kinesis Analytics, and delivery to AWS Athena.
- Built reporting dashboards in QuickSight from Athena sources.
- Backend development of API for ETL for Ad-tech services, implementation of recommendation system, user analysis, and additional statistics creation.
- Experience in working in a distributed team, making design decisions in a microservice system, working on code review, and Scala/Akka developing.

## SCALA SOFTWARE ENGINEER

09/2016 – 10/2018

**Responsibilities:** Designing and developing backend servers for corporate systems for streaming and batch data processing.

**Technologies:** Scala, Reactive (Akka, Play), Lightbend enterprise platforms, SQL and NoSQL databases, Kubernetes, Kafka, Spark, Hadoop framework, Docker, AWS (Storage, Database, DocumentDB, Athena, Lambda, Glue, API Gateway, Infrastructure as Code expertise in CloudFormation, Kinesis, QuickSight, Grafana, CI/CD AWS CodePipeline), Git.

## AUTOMATION QA ENGINEER

05/2015 – 09/2016

**Responsibilities:** Unit and integration tests for messenger backend. Scala was used as the main language for development.

**Technologies:** Akka, Play framework, NoSQL DBs (Cassandra, aerospike), inter-datacenter interaction, REST and WebSocket API development. ProtocolBuffer for client-server interaction was used. The elastic search was used as a search engine. All server requests are processed asynchronously.

## AUTOMATION QA ENGINEER

2013 – 2015

**Technologies:**

- Unit Testing (PHPUnit, Mock)
- JavaScript testing (Jasmine, QUnit, Karma, CasperJS)
- Functional testing (Selenium RC/Webdriver + PHPUnit)

## EDUCATION

- **MASTER OF SCIENCE**

West Ukrainian National University  
2004-2009

- **PH.D. IN SOFTWARE ENGINEERING**

2022-Current

## CERTIFICATES

- **Lightbend Scala Language Professional**
- **Reactive Architecture: Building Scalable Systems**



## LANGUAGES

- English B1-B2

