

OLEKSANDR SHTYKHNO

BASIC INFORMATION

North Holland, Netherland
ost.consultancy@gmail.com
Website: [linkedin.com/in/yukan](https://www.linkedin.com/in/yukan), [http://github.com/Yyukan](https://github.com/Yyukan)

OBJECTIVE

Seeking Software Engineer / Solution Architect position to apply my professional skills in a challenging and interesting assignments.

QUALIFICATIONS

20+ years in Software Development and Architecture
15+ years in Java Development – using various technologies to solve complicated business tasks, engineering, supporting and deploying enterprise software to different environments and application servers
8+ years in Scala Development – using Lightbend/ZIO technology stack to design and develop highly scalable and resilient software
15+ years in Agile Development – developing software using agile and rapid development techniques, test-driven style for creating good code design and quality, applying continuous integration into development process
2.5 years in System Administration – supervising enterprise networks and servers, sharing and granting Internet and Intranet services among clients

PROFESSIONAL SKILLS

- object-oriented programming, functional-programming
- designing and developing server-side applications
- microservice based software development
- big-data solutions
- reactive programming
- solution and enterprise architecture

RECENT WORK EXPERIENCE

Freelance Scala Engineer

Nov 2024 – Present

Shell Recharge, Netherlands

Executing assignment in the MSP (Mobility Service Provider) team to replace Akka-HTTP web framework to ZIO-HTTP using Tapir as REST endpoint definitions

Freelance Scala Engineer/Solution Architect

June 2018 – Nov 2024

Fedex Express, Netherlands

Developing, delivering, supporting and monitoring microservice-oriented software and architecture,

coordinating with stakeholders, coaching, reviewing technical solutions.

Technology stack:

Scala, Cats, ZIO, Akka, Kafka, Cassandra, Postgres, Oracle, ElasticSearch, AWS, K8s, Azure

Challenges and achievements:

- rewrote nodejs/postgres core microservice to elasticsearch/cassandra to improve reliability and performance
- organised data export from Cassandra using S3/Blob Storage
- migrated the whole platform to Kafka 2.x with no downtime using additional consumers and gradually switching producers
- added support for Azure Blob Storage/S3
- developed and supported Track&Trace platform functionality
- migrated the whole platform to Kubernetes and highlighted JDK pitfalls regarding resources (cpu, memory)
- upgraded to Scala 2.13 and further to Scala 3 including common libraries with cross compilation
- added gRPC interface to some applications for internal communications
- migrated the whole platform from AWS to Azure evolutionary with no downtime
- migrated Kafka support between clouds with no downtime
- migrated from AWS S3 to Azure BLOB storage
- reviewed assessments and interviewed potential team candidates
- updated ElasticSearch taking into account breaking changes
- migrated to GitHub Actions from Jenkins, developed custom pipelines and build images

Senior Software Engineer

Nov 2015 – June 2018

Bol.com, Netherlands

Developing, delivering, supporting and monitoring microservice oriented software and architecture

Highlights:

- import/export data between Hadoop and runtime environment
- developing SQL, NoSQL and full-text search solutions
- extending message based and reactive architecture

Senior Software Engineer

Sep 2010 – Nov 2015

AssetControl, Netherlands

Supporting, designing, developing and delivering software for managing reference data within financial institutions

Challenges and achievements:

- implemented mobile version of the operational dashboard which shows data feeds activity in the realtime
- designed and developed risk data manager which provides useful instrument to manipulate financial data represented as curves
- developed internal dashboard for showing build system status, request tracker status, customers activities in the real time
- improved framework for test automation with different scenarios and big amount of data
- designed and developed module for monitoring feed processes and displaying results in runtime
- designed, developed and delivered JIRA plugin for improving agile methodology in company
- designed, implemented and supported internal dashboard
- organised, designed and executed JIRA data migration to the new version
- trained as a company Security Officer

Senior Java Developer

March 2007 – October 2010

Luxoft, Deutsche Bank Offshore Delivery Center, Ukraine

On this position responsibilities are included but not limited to update and support legacy system for monitoring e-commerce stock market business operations, support software elements that provide uniform view of different exchanges for client software used by the stock traders, improve test coverage and

performance, design architecture, profile and deliver software for business processes automation.

Achievements and accomplishments:

- developed and applied common code conventions for the team
- consulted support team with legacy system design and features
- implemented performance measuring module using aspect-oriented architecture
- designed dynamic component generation based on meta-information
- implemented build process for all infrastructure, introduced continuous integration, improved delivery phases

EDUCATION

Master degree, Computer Engineering

1997 – 2003

National Technical University of Ukraine 'Kharkov Polytechnic Institute'

CERTIFICATES

- Sun Certified Java Programmer, 2006
- Sun Certified Web Component Developer, 2006
- Sun Certified Business Component Developer, 2007
- Oracle Certified Enterprise Architect (step 1), 2011
- Google Advanced Power Searching, 2013
- Algorithms, (coursera, 2013)
- Functional Programming Principles in Scala, (coursera, 2013)
- Principles of Reactive Programming, (coursera, 2013)
- Play for Java Dev, (typesafe, 2013)
- MongoDB for Java Developers (mongodb, 2016)
- Core Elasticsearch (elastic.co, 2016)
- Functional Program Design in Scala (coursera, 2016)
- Hadoop platform and Application framework (coursera, 2016)
- Machine Learning with Big Data (coursera, 2016)
- Google Cloud Platform (coursera, 2017)
- Scala Advanced (udemy, 2018)
- Certified Kubernetes Application Developer (CNCF, 2020)
- Software architecture: From Developer to Architect (linkedin, 2024)

PROJECTS

- Upwork (https://www.upwork.com/o/profiles/users/_~018982773f1afbcac9/)
- Scala Koans online (<http://scalakoans.herokuapp.com>)
- WorkHours – handbook on schedule (AppStore)
- Belrrational – time management application for irrational thinking people (AppStore)
- WikiQuoter – wikiquote.org feed (AppStore)
- DutchGrammar – handbook on Dutch language grammar (under development).

LANGUAGES

- Ukrainian (Native or bilingual proficiency)
- English (Full professional proficiency)
- Dutch (Elementary proficiency, B1)