Oleg K.
Senior Software Engineer

SUMMARY

Software Engineer with proficiency in data engineering, specializing in backend development and data processing. Accrued expertise in building and maintaining scalable data systems using technologies such as Scala, Akka, SBT, ScalaTest, Elasticsearch, RabbitMQ, Kubernetes, and cloud platforms like AWS and Google Cloud. Holds a solid foundation in computer science with a Master's degree in Software Engineering, ongoing Ph.D. studies, and advanced certifications. Demonstrates strong proficiency in English, underpinned by international experience. Adept at incorporating CI/CD practices, contributing to all stages of the software development lifecycle. Track record of enhancing querying capabilities through native language text processing and executing complex CI/CD pipelines. Distinguished by technical agility, consistently delivering improvements in processing flows and back-end systems.

TECHNICAL SKILLS

Main Technical Skills	Scala
Programming Languages	Scala
Scala Frameworks	Akka, Apache Spark
Scala Libraries and Tools	Akka, Akka Actors, Akka Streams, Cluster, Scala SBT, Scalatest
Java Frameworks	Apache Spark
AI & Machine Learning	NLP
Data Analysis and Visualization Technologies	Apache Airflow, Apache Spark
Databases & Management Systems / ORM	Apache Hadoop, Apache Spark, AWS ElasticSearch, PostgreSQL, Slick database query
Cloud Platforms, Services & Computing	AWS, GCP, Haddop
Amazon Web Services	AWS ElasticSearch
Azure Cloud Services	Microsoft Azure API
Deployment, CI/CD & Administration	ArgoCD, CI/CD, GitLab CI, Helm, Travis CI
Version Control	GitLab
	HTTP, Kerberos

Mail / Network Protocols / Data transfer	
Message/Queue/Task Brokers	Kafka, RabbitMQ
SDK / API and Integrations	Keycloak, Microsoft Azure API, Swagger
Virtualization, Containers and Orchestration	Kubernetes, Terraform
Methodologies, Paradigms and Patterns	Observer
UI/UX/Wireframing	Responsive Design
QA, Test Automation, Security	Scalatest
Other Technical Skills	Unreal Engine

EXPERIENCE

BACKEND DEVELOPER, Native Language Data Querying Support

Duration: 02.2023 – Current

Summary: Support of data querying in the natural language by NLP, project support, and bag fixing, as well as implementing querying improvements by building a new processing flow.

Responsibilities: project support, bug fixing, querying improvements.

Technologies: Scala, Akka, SBT, ScalaTest, Elasticsearch, RabbitMQ, Kubernetes, GitLab, AWS, Travis CI, Argo CD.

DATA ENGINEER, Data Engineering and Process Automation

Duration: 01.2021 – 02.2023

Summary: Ingesting and processing files, merging data, generating reports for duplicates, updating history, developing distributed system back-end with MVC pattern, unit and integration testing, and CI/CD operations.

Responsibilities: data ingest, processing, merging and reporting, back-end development, testing, CI/CD operations.

Technologies: Scala, SBT, ScalaTest, Spark, Hadoop, PostgreSQL, Kafka, Kubernetes, GitLab CI/CD, Google Cloud.

SCALA DEVELOPER, Data Management and API Development

Duration: 06.2019 – 01.2021

Summary: Involved in Block List management redesign, data sets consolidation and sharing solution development, API design and feature implementation, DB management, as well as CI/CD design and implementation.

Responsibilities: Block List management redesign, data sets consolidation, API design, feature implementation, DB management, CI/CD design and implementation.

Technologies: Scala, SBT, Akka, ScalaTest, Slick, PostgreSQL, Kafka, Kerberos, Terraform, Kubernetes, Helm, GitLab CI/CD, Google Cloud, Keycloak, Swagger, AirFlow.

EDUCATION

Master`s degree of Software Engineering, Ternopil National Technical University

2021 – 2022 – Ternopil, Ukraine

Certification program “Data Engineering”, Ukrainian Catholic University

2022 – CURRENT – Lviv, Ukraine

Bachelor`s degree of Software Engineering, Ternopil National Technical University

2017 – 2021 – Ternopil, Ukraine

Exchange semester, Technical University of Košice

2019 – 2019 – Košice, Slovakia

CERTIFICATION

- **CERTIFICATION PROGRAM “DATA ENGINEERING”**
- Ukrainian Catholic University