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Anastasiia-Mariia Kovalyshyn

Junior Big Data Engineer

About me

I love minimalism and simplicity in everything, first of all in the code. A little bit stubborn, but it gives me inspiration to make my ideas and projects real. I am an enthusiastic, self-motivated, responsible and hard working person, well organized and always plan ahead to make sure I manage my time well. A girl with huge ambitions and a desire to make world around me more comfortable:)

Education

- 2015–2019 **Bachelor Degree in Computer Science**, *Lviv Politechnic National University, Lviv, .*
Specialized in automated control systems.
- 2019–2020 **Master Degree in Computer Science**, *Lviv Politechnic National University, Lviv, .*
Specialized in automated control systems.

Publications

- 2019 *Spatial orientation based on sensor network bi-planar triangulation, NULP*
- 2018 *Erasmus Programme exchange automated categorization and evaluation, NULP*

Skillset

Programming languages / Technologies

- Python
- Scala
- Bash

Libraries and Frameworks

- Boto3
- Apache Spark
- Apache Akka
- Django

ETL Toolkit

- Apache Airflow
- Apache Nifi
- Apache Kafka
- HDFS
- Hive
- Presto

Cloud Computing

- AWS S3
- AWS Kinesis
- GCP Cloud Storage
- GCP PubSub

RDBMS

- SqlLite
- PostgreSQL

Development tools

- IntelliJ IDEA
- Pycharm Community
- Git
- Docker
- Kubernetes
- google.com :)

Operating systems

- Ubuntu 18.04
- Fedora 28
- Windows 10

Methodologies

- SCRUM
- Kanban

Languages

Ukrainian	Native
Russian	Second native
English	Intermediate

Interests

- Chess
- Space
- Traveling
- Cinematograph
- Comics

Experience

Vocational

May 2019 – present **Trainee, Junior Big Data Engineer, Sigma Software, Lviv.**
OPENSky PROCESSING APPLICATION

Duration: 2 months.

Technologies: Scala, Apache Akka, Apache Kafka.

Progress at current stage: FINISHED.

Description: Developed application using Scala programming language, Akka framework and Apache Kafka. Application was created to ingest data, transform it into JSON, calculate specific data (number of airplanes around pre-defined set of airports within pre-defined range) in batch of the data for the particular time window and write transformed data into Kafka. Created REST API of the application to make results available for reading.

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MULTI-CLOUD ETL PLATFORM

Duration: 1 month.

Technologies: Python, Boto3 (Azure/GCP CDK for Python), Apache Airflow.

Progress at current stage: FINISHED.

Description: Developed ETL pipeline that operates in three clouds (AWS, GCP, Azure). Pipeline ingests data from generated files, converts it into JSON, moves over FS.

2016–2018 **Freelance**, *LPNU*, Lviv.

Was trying to find myself in different branches. Attended Python web development (full-stack) courses. Had my own projects, though all of them were somewhat connected to LNPU.

Miscellaneous

2015–2018 **Math Tutor**, Lviv.

Had my time with kids and teenagers helping them master math and succeed with the External Evaluation and the Governmental Exams.