Arseni Zhukau
Software Engineer

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Summary

My main areas of interest lay in domains of backend development and data engineering. I have experience working on a data engineering and full stack developer positions. All of these makes me familiar with quite a broad set of different tools. I'm looking forward to apply my knowledge and strengthen it further.

Skills

Languages
   Python, Scala, TypeScript, SQL, C++

Data & ML
   Apache Spark, Apache Airflow, Pandas, NumPy, Matplotlib, Scikit-learn, Hadoop, Map Reduce; Linear/logarithmic regression, KNN, decision trees, gradient boosting, etc.

Back end
   FastAPI, Django, DRF, SQLAlchemy, Postman, MySQL, MS SQL Server, Postgres, MongoDB, Docker, Kubernetes, Bash, Linux, WSL

Front end
   React, React Query, ChakraUI, Webpack, Vite, Axios, Async, HTML, CSS

Experience

FullStack Developer, IBA Poland *Oct 2022 – present*
TypeScript, React, React Query, Axios, ChakraUI, Airflow REST API, Python, FastAPI, PyTest, SQLAlchemy, Postgres, Postman, WSL, GitLab

Airflow UI. This project required new functionality compered to default Airflow webserver UI for more strict privacy control and user specific features in dashboards with statistics for ETL support team. I developed a custom web interface for Airflow using React along with FastAPI server to extend standard Airflow REST API. Managed CI/CD pipelines on GitLab, deployed as a microservice in Kubernetes.

Data Engineer, IBA *Feb 2022 – Oct 2022*
Scala, Apache Spark, Apache Airflow, Docker, Kubernetes, Helm, IBM DB2, IBM Cloud Object Storage, Zeppelin Notebook

Spark ETL pipelines. Developed and performed deep investigation of Spark pipelines, configurations, and deployment options, gradually achieving huge performance improvements. Implemented scalable data generator in Scala to simulate the real data and upload it to IBM DB2 instance to use this data for transformation pipelines testing. Stored pipeline results as a CSV in IBM Cloud Object Storage. Deployed on Kubernetes cluster using Apache Airflow for execution scheduling.

Languages

English – B2, EF SET   Polish – A2   Belarusian – Native   Russian – Native

Courses

IsSoft Open Big Data School
Hadoop, Map Reduce, PySpark, SQL, Python, Docker, Zeppelin Notebook, Google Cloud

Rolling Scopes School Machine Learning and Data Science
Python, Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook, etc.

LeverX Python Backend
Python, Django, Django Rest Framework, SQL

Education

Bachelor, BSUIR, automated data processing systems
Belarus, Minsk, 2018-2022

May 28, 2023