

# Viktor Andriichuk

## Data Engineer / Python Developer

### Executive Summary

- Overall 16 years of work experience.
- Since 2018 year worked as a Python back-end development and Data Engineering.

### Technical skills

- Languages: Python, Scala (a bit)
- Frameworks: Flask, Fast API
- Scheduler: Celery, AirFlow
- DevOps: Linux, Docker, git
- Databases: PostgreSQL, Redis, MongoDB, Snowflake, RedShift
- Cloud Providers: AWS (RedShift, Lambda, Glue, Athena, Quicksight, S3)
- Big Data: Hadoop, PySpark, Hive, Kafka
- ETL tools: dbt
- Data Science: Knowledge in Classic ML and DL, EDA, MLOps, A/B testing

### Education

**Institution:** National Technical University of Ukraine 'Kyiv Polytechnic Institute'  
**Date(s) Attended:** 2020 – 2022  
**Qualification(s):** Master's degree

**Institution:** Kyiv National Taras Shevchenko University  
**Date(s) Attended:** 1998 – 2003  
**Qualification(s):** Specialist, Finance

**Institution:** Kiev Suvorov School  
**Date(s) Attended:** 1995 - 1998

### Professional Experience

**Project:** PepsiCo (as a contractor)  
**Role:** Data Engineer  
**Responsibilities included:**

- Creating ETL processes for Snowflake
- Developing DAGs for AirFlow with dbt and Python custom framework.

**Environment:** Snowflake, dbt, Airflow, Python

**Project:** Appen (as a contractor)



- Role:** Data Engineer
- Responsibilities included:**
- Creating ETL processes for DWH
  - Developing DAGs for AWS AirFlow and SQL queries for AWS RedShift. Create Data Mart from scratch.
- Environment:** AWS Airflow, AWS RedShift, dbt, Docker
- 
- Project:** Health Union (as a contractor)
- Role:** Data Engineer, Python developer
- Responsibilities included:**
- Creating ETL processes for Snowflake and dbt
  - Creating Data Quality pipelines
  - Creating extras for custom Python frameworks for data engineering.
- Environment:** Snowflake, dbt, Python, Great Expectation
- 
- Project:** Collect data for internal projects
- Role:** Python developer
- Responsibilities included:**
- Copying data from different sources to Data Lake
- Environment:** AWS S3, AWS Glue, AWS Athena, AWS Quicksight, AWS S3, AWS Lambda Functions (Python for collect data and save to S3)
- 
- Project:** AntiSpam Machine
- Role:** Python developer, Machine Learning developer
- Responsibilities included:**
- Creating AntiSpam microservice for marketing platform with Flask, MongoDB, Redis and Machine learning algorithms
  - Creating microservice for control work of AntiSpam microservice
- Environment:** Flask, PostgreSQL, MongoDB, Redis, Docker, AirFlow, Grafana, Prometheus, ML
- 
- Project:** Data Lake and DWH
- Role:** Python Back-end Developer and Data Engineer
- Responsibilities included:**
- Creating Datawarehouse from scratch (design and other)
  - Creating ETL pipelines for saving data from e-shops to Data Lake in real-time
- Environment:** Apache Spark, Apache HDFS, AWS EMR
- 
- Project:** Recommendation System
- Role:** Python Developer, Data Scientist
- Responsibilities included:**
- Creating recommendation system mechanism, ML development
  - Creating microservice for e-shop recommendation system with Flask
- Environment:** Docker, Flask, PostgreSQL, Redis, Mongo, ML algorithms



**Project:** Chat-bot  
**Role:** Python Developer  
**Responsibilities included:**

- Creating a back-end solution for chat-bot for Telegram, Facebook Messenger

**Environment:** Docker, Flask, PostgreSQL, Redis, Mongo, ML algorithms