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Education/Certifications

M.S. in Physics & Programming – BSU

Sep 2016 — Jun 2021

- Done 3 coursework related to Computer Science
- Done diploma related to Computer Science

English B2 Language School – Streamline Language School

Sep – 2020

- Learned language for B2 level
- Successfully passed exam with writing and speaking parts
- Certificate link: streamline website

Azure Fundamentals – Microsoft

Dec – 2023

- Structurized basic knowledge about Azure Cloud
- Successfully passed exam
- Certificate link: microsoft website

Professional Experience

Capgemini – Senior Data Engineer – Poland

Aug 2023 – Present

Data Processing

- Codegeneration for Azure Databricks using Python and Jinja2
- Data processing using Apache Spark
- Implementing Azure Pipelines for orchestration of processing
- Implementing Azure Data factory pipelines for data processing

Mimesis Inc – Senior Data Engineer & Co-Founder – Armenia

Jan 2021 – May 2023

AI-based mobile image editor (Jan 2021 – May 2023)

- Builded end-to-end pipelines of data scrapping from web, processing it and storing for following using with ML to AWS S3 and AWS RDS using Spark (PySpark), Pandas, NumPy, OpenCV
- Established Business to development communication processes
- Architected and managed backend REST API development from scratch using Python and FastAPI
- Flexibility improvemnt with YAML and Jinja templating
- Build docker containers for ML, Backend production, ETL pipelines
- Designed and implemented:
 - Data scrapping (Python BS4, Selenium) and aggregation workflows
 - Database (AWS RDS) structure
 - CI/CD pipelines (Jenkins)
 - REST API for data manipulation
 - Social bots (Selenium, REST API)
 - Clusters orchestration and monitoring (AWS ECS, AWS EKS)
 - Automation of large number of tasks by Jenkins and BASH scripts

EPAM Systems – Data Engineer – Belarus

Jul 2019 – Sep 2021

eCommerce sales optimization by ML (Sep 2020 – Sep 2021)

- Builded Airflow end-to-end data pipelines including custom operators for storage monitoring
- Implemented Apache Spark jobs wiht Kafka as datasource and Azure Blob Storage as target
- Done bunch of Azure Jenkins CI/CD pipelines to manage artifacts

PowerBI Analytical platform (Jan 2020 – Jul 2020)

- Developed Azure Data Factory ETL pipelines to ingest and deliver data
- Implemented Azure Pipelines for CI/CD
- Architected and implemented STAR database data model
- Data processing using Azure Data Factory
- Implemented data analytics engine for PowerBI

Marketing analytics platform (Oct 2019 – Jan 2020)

- Builded Azure Databricks notebooks based on python wheel to make solution platform agnostic
- Implemented CI/CD for python wheel package from Github to Azure Databricks via Jenkins
- Architected and developed data analytical python wheel using Apache Spark
- Implemented multi-layer multi-zone optimal structure for Azure Blob Storage
- Implemented storage monitoring system for tables/columns metadata to monitor data updates

Key Competences

Languages: Python, NodeJS, SQL. **Clouds:** AWS, Azure, Terraform, Kubernetes. **Databases:** PostgreSQL, Microsoft SQL, MongoDB. **DevOps:** Jenkins, Airflow, Azure DevOps, Azure Pipelines. **Other:** Apache Hadoop, Apache Spark, Linux, Databricks, Lambdas.