

Karim Safiullin

Senior Data Engineer

Master's degree, TU Ilmenau



Contact

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Location: Braunschweig, Niedersachsen, Germany

Profile

Senior Data Engineer with 6 years of experience and a background in Computer Science. Strong team player who develops and maintains large-scale infrastructure and implements complex data pipelines. Writes effective and **simple** code. Developer with seniority skills, not just a title.

Core Skills

Python, PySpark, Airflow, HDFS, Hive, PostgreSQL, Azure Cloud, Jenkins, Snowflake, Flink

Skills

Programming Languages Python, Bash, SQL.

Databases Kafka, MySQL, PostgreSQL, Hive, Impala, Neo4j, Redis.

Big Data Tools Hadoop, HDFS, YARN, PySpark, Spark Streaming, Delta Lake, Qlik CDC (Qlik Replicate, Qlik Compose)

Cloud Platforms Azure Synapse Analytics, Azure Event Hub, Azure Data Factory, Azure Databricks, Azure Blob Storage, Google BigQuery, Google Data Studio, Snowflake

DevOps and CI/CD Tools Airflow, Jenkins, Ansible, GitLab CI/CD, GitHub Actions, Docker, Kubernetes, Prometheus, Nginx, Vault, Sentry

Other Skills Agile, Scrum, Kanban Pandas, NumPy, Flask, Django, FastAPI

Work Experience

Senior Data Engineer, New Yorker GmbH & Co.KG
Germany

01/2023 - Present, Braunschweig,

- Designed, enhanced, and maintained Data Lake infrastructure and remove Data quality issues.
- Implemented and maintained Airflow DAGs for efficient data workflow orchestration.
- Analyzed requirements for the new CDC; maintained legacy processes and integrated new pipelines with Qlik Replicate and Compose.
- Documented technical processes for CDC, Data Lake, and other projects, including workflows and requirements.
- Created and optimized CI/CD pipelines via Jenkins, Ansible, and GitHub Actions.
- Collaborated with cross-functional teams in a dynamic business environment.
- Utilized Bash scripts to automate data transfer and streamline processes.

Achievements

- Improved data accessibility and quality in the Data Lake, resulting in time and cost savings for multiple departments.

- Streamlined the Rotation Call process by automating tasks with Bash scripts, reducing manual effort by 30%.
- Migrated from an outdated CDC tool to Qlik, enhancing reliability and maintainability of data pipelines.

Backend Developer (HiWi), Technische Universität Ilmenau 06/2022 - 12/2022, Ilmenau, Germany

- Created RESTful API services via Django for observing endangered bees in Germany.
- Set up Docker using docker-compose for controlling bees' activity.
- Added PostGIS extension to work with German TK25 coordinates.
- Configured Nginx and Gunicorn settings in the project.
- Set up CI/CD with unit, integration tests with GitLab CI/CD.
- Enforced clean code guidelines.

Achievements

- Developed a backend application for monitoring endangered bees in Germany.

Data Engineer, EPAM Systems Inc. 12/2020 - 03/2022, Kazan, Russia

- Implemented ETL processes in an open-source tracking project using Azure Cloud, Azure Data Factory, Databricks, PySpark, and Python.
- Mentored students and juniors in Python; served as onboarding buddy, guiding new employees through processes and tools.

Achievements

- Expanded an open-source GitHub activity dashboard for major companies and an internal version to encourage employee engagement and contributions.

Backend Developer, Akvelon Inc. 05/2019 - 10/2020, Kazan, Russia

- Implemented RESTful API services via Django, with CI/CD and Docker for HR portal service that allows tracking of candidates' hiring processes.
- Designed database architecture in PostgreSQL.

Data Scientist, Meanotek AI 05/2018 - 03/2019, Kazan, Russia

- Assisted a client in converting medical paper documents into a database using an LSTM neural network and Python.

Education

Bachelor's Degree: KNITU-KAI 03/2016 - 03/2020, Russia

Master's Degree: Technische Universität Ilmenau 03/2020 - 03/2023, Germany

Certifications

- 🌟 IELTS Academic B2

Languages

- 🌐 English - C1
- 🌐 German - A2
- 🌐 Russian - Native Speaker