Kamran Rasim Asgarov

Email	: askerovk@gmail.com	**Date of birth**	: 16 October 1987
Mobile Phone	: +49 171 2787742	**Place of Birth**	: Baku, Azerbaijan
LinkedIn	: linkedin.com/in/k-r-asgarov/	**Citizenship**	: Singaporean
Marital Status	: Married	**Current Residence**	: Ratingen, Germany

Technical Skills

Languages	: Python, bash, R.
Libraries	: pandas, boto3, great expectations, requests, beautifulsoup, geopandas, plotly, sklearn.
Databases	: PostgreSQL, Reshift, MongoDB.
AWS	: S3, MWAA(Airflow), Glue, Lambda, Sagemaker, Elastic Container Service (ECS), CloudWatch.
Data Tools	: Power BI, Active Campaign, Amplitude, Zuora, Collibra.
Dev Tools	: Airflow, Docker, RudderStack, Github Actions.
Misc	: Hudi, Avro, Visual Studio Code, Jupyter Notebook/Lab, Git, Github, Sharepoint, Confluence.

Recent Employment

❖ **Data Engineer**   Aug 2018 – Present
YARA GmbH & Co. KG / Yara Digital Labs   *Remote, Germany / Singapore*

- Implemented a Great Expectations microservice to test the quality of incoming data, utilising AWS ECS, Docker, Airflow and Github based CICD.
- Built a custom Python/YAML framework around Great Expectations, to extend its functionality and meet demands of Analytics Team. Wrote a module to dynamically generate expectation suites.
- Showcased how creative use of Tokenisation methods can simplify GDPR compliance for downstream data consumers.
- Simplified and migrated production Airflow setup from kubernetes to AWS MWAA. Implemented a number dockerized microservices on ECS to resolve dependency hell issue.
- Wrote and deployed a series of custom ETL pipeline DAGS, to delete sensitive user data in compliance with GDPR requirements.
- Designed an application agnostic framework for delivering dynamically generated agronomic advisory content, with scalable localization potential.
- Utilised a fleet of self-orchestrating Docker containers to scrape 40 million soil sample analyses. Negotiated a Data Acquisition agreement with the Indian government.
- Built a PowerBI dashboard to track daily performance of an Indian data collection team.
- Built topic classification models with linguistic data, utilising translation and transliteration APIs.
- Trained interpolation models and produced interactive maps using spatial data.

Education and Certifications

❖ **AWS Associate Solutions Architect**   ongoing
SQL/NoSQL Databases, Networking, Machine Learning and Analytics, Data Security   *Udemy.com*

❖ **Various Minor Courses (see LinkedIn profile)**   2018-2022
Python, SQL, DBT, Airflow   *Udemy.com*

❖ **Probability - The Science of Uncertainty and Data**   2020
Conditional Expectations, Bayesian inference, Bernoulli and Poisson processes, Markov Chains   *MIT (Edx.org)*

❖ **Data Science Specialization**   2017
R Programming, Machine Learning, Linear Algebra, Statistical Inference   *Johns Hopkins University (Coursera.org)*

❖ **Bachelor of Arts (Economics)**   2004-2008
Macro/Micro Economic Theory, Game Theory, International Finance   *National University of Singapore*