Data Engineer

Technology consultant with 11 years of experience in the field of data analytics and business intelligence. Development of data warehouse, ETL processes, data integration, interactive dashboards, reporting automation and MIS administration. Proficient in SAS 4GL and SQL, enthusiast of Python and cloud solutions.

EXPERIENCE

Since 03.2023

Enterprise Data Warehouse Senior Developer

SDC A/S in Warsaw, DWH development team

- Development of ETL processes in SAS Data Integration Studio, proper implementation jobs and user written codes using SQL pass-through facility
- Creation SQL scripts for Teradata database: DDL and DML, initial data loads, optimization of SQL queries and stored procedures
- Manual and automatic testing of developed solutions
- Comparison verification of proof of concept scripts and deployed codes
- Code review and preparation of technical documentation
- Banking industry, international team, scrum way of working

06.2019 – 03.2023

Data Engineer

SCS Expert in Warsaw, consultant for SAS Institute Poland

- Development of ETL processes in SAS Data Integration Studio, creation of custom transformations and SQL scripts for Oracle and Greenplum databases
- SAS 4GL programming and macro language, advanced SQL queries, hash tables, SPD Engine, indexes, parallel data processing, slowly changing dimensions type 2, stored processes, PL SQL procedures and functions
- Optimization of SAS 4GL programs and SQL queries, working with large data sets (over 4 billion records in single table)
- Creation of ABT (analytical base tables) for credit risk modeling (PD, LGD, EAD, IFRS9, IRB), calculation of new portfolios and framework development
- Testing of solutions, manual and automatic data quality checks
- Analysis of business requirements and preparation of technical documentation

Key projects:
- Play: data warehouse development
- ING Hubs Poland: SAS developer in credit risk area
- ING Bank: marketing data marts migration

03.2015 – 06.2019

Database analysis specialist

Samsung Electronics Poland in Warsaw, business intelligence department

- Responsibility for end-to-end analytical process: requirements, data preparation and integration, implementation of business logic, visualization and presentation to stakeholders
- Creation of Qlik Sense dashboards, complex SQL queries, programming in SAS 4GL and macro language, MS SQL Server database scripts

LANGUAGES

Polish – native

English – advanced (C1)

German – intermediate (B1)

PROGRAMMING

SAS 4GL – advanced
(Base, Macro language)

SQL – advanced
(Oracle, Teradata, MS SQL, Greenplum)

PL SQL – intermediate

Python – intermediate
(Pandas, Pyspark)

VBA – intermediate

Bash – beginner

- Development of ETL processes for Finance Management System, scheduling and monitoring, implementing data checks and alerts, bug fixing
- Creation of software automation robots with WinAutomation (RPA), automation of data extraction from SAP ERP with VBA scripts
- Administration and development of management information system (MIS):
  - Market Communication System (SFA)
  - Smart Partner Samsung System: incentive scheme for sales employees
  - ASAP System: loyalty program for Samsung Telecom partners

08.2012 – 03.2015

Junior marketing analysis specialist

Samsung Electronics Poland in Warsaw, data management team

- Automation of reporting process with VBA and advanced excel functions
- Data collection, cleaning and integration from various sources (internal systems, Excel files, GfK data, flat files)
- Preparation of sales and marketing analysis: market share, customers segmentation, shelf share, product availability, category management

EDUCATION

2018 – 2019

Warsaw School of Economics

Big data engineering, postgraduate studies

2011 – 2013

Warsaw School of Economics

International economic relations, master degree, full-time studies

2008 – 2011

Cracow University of Economics

International economic relations, bachelor degree, full-time studies

CERTIFICATION AND TRAININGS

SAS Certified Professional: Advanced Programming Using SAS SAS Certified Specialist: Base Programming Using

Trainings:
- Udemy: Data analysis with Pandas and Python
- Udemy: Complete Python Bootcamp
- Udemy: Oracle SQL Developer Associate
- Cloud Academy: Cloud fundamentals
- SAS Viya and Python Integration Fundamentals
- Programming for SAS Viya
- Advanced ETL with SAS Data Integration Studio
- SAS Programming advanced techniques
- SAS Macro language programming
- SAS Platform Administration: Getting Started
- SAS Visual Analytics for SAS Viya
- Visual Basic for Applications course
- MS Excel advanced
- Project management course