Senior Data Engineer

Cloud Data Engineer with over 17 years of experiance in databases and data migrations.

Experience

Shell

Senior Data Engineer
Apr 2023 - Present · 1 yr · 1 yr 3 mos – Remote – Contract

GreenHouse Gases Project - Advanced GHG Emission, Energy and Utility reporting

Responsible for:
- MS SQL Server database development (including tables, views, stored procedures, keys, constraints, etc.)
- Implementing calculations according to business requirements
- Creating Stored Procedures for calculations and data extraction
- Designing database structures and of the general architecture used for the project data
- Functional and technical testing of the application with calculations
- Deployment of the current code on different environments using Azure DevOps Pipelines and Azure DevOps Releases

Skills:
> Data Engineering · Data Architecture
> · Azure SQL · Azure DevOps Server · GitHub
> · SQL Server Management Studio

Senior Data Engineer
Jan 2023 - Apr 2023 · 4 mos – Remote

GreenHouse Gases Project
Responsible for:
> - the development of the data presented on the report showing emission of different gas components for selected platforms.
> - scripts in Databriks notebooks
> - MS SQL Server Management Studio for the data

Skills
Data Engineering
Data integration
ETL
Cloud Services
Azure Services
Databricks
Azure Data Factory
Azure Databases
MS SQL Server DB
MS Integration Services
MS Reporting Services
Power BI
GitHub
Azure DevOps
Data Architecture
Python (basic)

Languages
English (Proficiency)
German (Advanced)
French (Advanced)
Spanish (Imtermediate)
Italian (basic)

extraction
- Azure SQL Database

Skills:

> Data Engineering · Data Architecture · Microsoft Azure · Azure Databricks · SQL Server Management Studio · Azure SQL · GitHub

PwC

Senior Data Engineer
Jan 2023 - Present · 1 yr 3 mos – Remote – Self-employed

Projects for the PwC Client

Main business responsibilities:
- Communicate with both technical developers and business managers
- Actively deliver the roll-out and embedding of Data Foundation initiatives in support of the key business programs
- Advising on the technology
- Using leading market standard tools
- Coordinate the change management process
- Coordinate the incident management process
- Coordinate the problem management process
- Ensure traceability of requirements from Data through testing and scope changes

Skills:

> Data Engineering

Lingaro

Cloud / Data lake developer / Lead Consultant
Feb 2022 - Dec 2022 · 11 mos · 1 yr 9 mos – Contract

Responsible for:
> - Moving data from an application to Azure Cloud.
> - Developing notebooks for extracting data from application's API in Databricks
> - Designing final architectural solution
> - Designing and implementing processes in Azure Data Factory
> - Optimizing notebooks
> - Analyzing business needs and requirements

Skills:

SQL · Python (Programming Language)
· Azure Data Factory · Azure Data Lake
· Azure Databricks · PySpark

Senior Data Engineer
Apr 2021 - Jun 2022 · 1 yr 3 mos

Responsible for:

- Creating Azure Databricks notebooks populating analytical models. Tasks and development in large-scale projects.
- Writing scripts (SQL + Python) loading data from Azure Data Lake
- Processing data in Databricks
- Configuring jobs and clusters for an optimal run and costs balance
- Huge Spark database operations

Skills:

Python (Programming Language)
· Azure Data Factory · Azure Data Lake
· Azure Databricks · Oracle Database

KMD

BI Data Analyst and developer
Jan 2016 - Sep 2021 · 5 yrs 9 mos

Responsible for:

- Creating ETL processes for data warehouses. Designing transformations, populating data marts and creating reports
- Tasks handled with SSIS and SSRS modules.
- Designing ETL process
- Creating dtsx packages for transformations
- Populating data marts
- Analyzing business needs for further reports
- Optimizing existing processes
- Optimizing existing reports
- Creating new reports

Skills:

Azure Data Factory · Microsoft SQL Server
· Microsoft Power BI
· SQL Server Integration Services (SSIS)

· SQL Server Reporting Services (SSRS)

Sygnity S.A. (TeamConnect for Sygnity)
Database Developer
Sep 2015 - Dec 2015 · 4 mos

Responsible for:
- Data migration between systems. P1 national project.
- Populating datamarts for further reports.
- Creating jobs
- Data analyzing for further implementation

Skills:
SAS Data Integration Studio with DB2 databases
· SquirreL SQL Client 3.7. (SAS DI 9.4)

AIG
Database Developer & Analyst
Dec 2011 - Aug 2015 · 3 yrs 9 mos

Responsible for:
- Data migration between systems.
- Preparing environments for new systems.
- Partialy administrating servers.
- Designing processes and procedures populating reports.
- Monitoring of scheduled processes.
- Writing scripts facilitating and controlling data loading.
- Creating scripts with functions and procedures
- Development of the database system
- Migrating data between systems and servers
- Populating on-line reports

Skills:
MS SQL Server 2008 · Microsoft SourceSafe
· Microsoft SQL Server Management Studio 2008
· T-SQL

Polkomtel (Algolytics for Polkomtel)
Database Developer
Jul 2011 - Oct 2011 · 4 mos

Responsible for:
- Developing the database system
- Optimization of processes running on the warehouse.
- Adjusting the new data scheme to the previous one.
- Implementation of marts
- Testing scripts

Skills:
SAS + 4GL · Teradata · SQL

StatConsulting (StatConsulting for Polkomtel)
CRM Database Analyst
Apr 2010 - Jun 2011 · 1 yr 3 mos

Responsible for:
- Preparing reports and statistics that analyse marketing campaigns
- Selecting and suggesting optimal groups designed for targeting
- Data mining in purpose of selecting the best customer model – segmentation based on brands, tariffs and comportment.
- Preparing and configuring marketing campaigns.
- Preparing analysis for the CRM Department
- Data modelling
- Preparing reports based on previous campaigns.

Skills:
SAS + 4GL · Teradata · SQL · SIEBEL
· AdvancedMiner

RTV EURO AGD
CRM Database Analyst
Jul 2009 - Mar 2010 · 9 mos

Responsible for:
- Preparing reports and analysis showing trends in sale, clients' behaviours
- Predicting future trends in the company.
- Modelling clients' activities.
- Preparing clients' segmentation.
- Designing new CRM Database.
- Creating sales schemas.

- Analysing clients' response on carried on promotions.
- Preparing clients' databases for communication.
- Modelling main new sales processes.
- Preparing Ad-hoc and periodic analysis and reports
- An everyday database administration
- Preparing data for OLAP cubes
- Designing and carrying on migration processes
- Creating DTSX packages
- Data mining

Skills:
Microsoft SQL Server

Orange
Database Analyst
Jun 2009 - Jul 2009 · 2 mos

Responsible for:
- Participation in a new TP's project introducing another sales channel.
- Preparing and analysing databases of clients.
- Data merging.
- Preparing everyday databases of clients
- Merging data for sales analysis from different databases
- Carrying on calculations based on OLAP cubes
- Creating reports concerning clients' activities – sale, complaints, applications, contracts
- Modelling success indicators.

Skills:
Oracle DB · MS SQL Server

TVP Polish Television (Telewizja Polska S.A)
Analyst
Mar 2009 - May 2009 · 3 mos

Responsible for:
- Participation in a project related to the main TVP's Internet portal.
- Carrying out analysis of the portal customers' activities and behaviors.
- Services quality monitoring
- Maintenance of the team support.
- Creating reports for the marketing department

and portal designers, including metrics that were
further used for analysis and assessment of
the portal design and usability
- Management of issues reported by customers -
issues verification, analysis and dispatching to
responsible teams
- Customer support related to the issue handling
process.

Skills:
MS Office · JIRA

TVP Polish Television (Telewizja Polska S.A)
Project Analyst/Silverlight Designer
Feb 2007 - Oct 2008 · 1 yr 9 mos

Responsible for:
- Participation in the strategic content distribution
project. T
- Related feasibility analysis
- Coordination of the system development work
between the business
- Creating assessment report summarizing
project's progress at the start of the new phase
- Preparing analysis of the project's final
documentation conformance to the business
requirements
- Carrying out both functional and technical
feasibility study for the introduction of a new
multimedia player
- Research and development related to the usage
of the Microsoft Silverlight technology
- Supporting marketing department during
introduction of new features
- Performing functional tests.

Skills:
MS Office · Silverlight · Flash · HTML · JavaScript

Education

Master of Electrical and Computer Engineering
Telecommunication and Multimedia
Warsaw University of Technology Engineering

Bachelor of Electrical and Computer
Warsaw University of Technology Engineering

Certificates and Courses

- Core Python
- Building Batch Data Processing Solutions in Microsoft Azure
- Conceptualizing the Processing Model for Apache Spark Structured Streaming
- Modeling Streaming Data for Processing with Apache Spark Structured Streaming
- Power BI Beginner, Advanced, Visual Design – Power BI training
- Project Management – Realization of IT projects basing on the PRINCE2 methodology
- Pata Mining in Practice – Part 1 and 2 (Cross – Selling and Up-Selling, Targeting Marketing Campaigns, Churn, Data Quality, Segmentation, LTV, Credit Scoring)
- Data Mining in Business (Data Mining Concepts and Techniques, Fraud Detection and Churn, Data Quality and Segmentation, Cross – Selling and Up-Selling, Targeting Marketing Campaigns)
- Siebel
- Cisco CCNA Course