

Roshal Moraes

Software Developer

About Me

Adept Software Developer specialized in Python, SQL and Power BI technologies with a strong track record of leading data-focused initiatives and delivering innovative solutions. Proficient in managing complex MSSQL environments, optimizing data processes with Python, designing user-friendly dashboards as well as engineering efficient data provisioning solutions. Good at cross-functional collaboration, ensuring smooth data flow and project success. Skilled in leveraging Azure DevOps for agile project management.

Work Experience

TATA CONSULTANCY SERVICES (BFSI Domain, Belgium)

Responsibilities

Data Masking for GDPR Compliance

- Led the development of a Data Masking Application to ensure GDPR compliance, overseeing intricate MSSQL servers, schemas, procedures, indexes, and views.
- Implemented data masking strategies to protect sensitive information while maintaining data usability.
- Created Power BI reports to monitor performance and activity related to the masked data to analyse correctness and precision of masking applied to data and to analyse correctness and precision of masking applied to data..

Kafka Consumer Solution

- Engineered a Kafka Consumer solution, through integration with Mainframe data storage.
- Streamlined data ingestion processes, enhancing data availability and real-time analytics capabilities..

Data Preparation and Integration

- Utilized Python to optimize data preparation tasks, ensuring seamless integration with Databricks and improving overall data quality.
- Implemented data wrangling techniques to create clean and structured datasets for analysis.
- Python backend development to connect to application database and frontend screens.
- Designed user-friendly APIs for test data provisioning and usage statistics, enhancing usability and efficiency for project teams.
- Facilitated efficient data access and reporting for testing purposes..

Azure DevOps and Agile Project Management

- Managed Azure DevOps repositories and pipelines, leveraging Azure Boards for agile project management.
- Implemented efficient development processes, enabling improved project tracking and collaboration..

Cross-Functional Collaboration

- Collaborated cross-functionally with various teams, including data engineers, business analysts, and project managers, to ensure the seamless flow of data and the successful execution of projects.
- Fostered effective communication and cooperation to achieve project goals..

Key Achievements

Successfully developed and deployed a Data Masking Application for GDPR compliance, safeguarding sensitive data while maintaining usability.

Engineered a Kafka Consumer solution, reducing data provisioning time by 50%, resulting in substantial operational efficiency gains.

Collaborated cross-functionally to ensure the seamless flow of data, contributing to the success of multiple projects.

Developed Power BI reports for real-time performance and activity monitoring of masked data, contributing to data governance.

Optimized data preparation with Python, improving data quality and integration capabilities for Datacebo.

Collaborated cross-functionally to ensure the seamless flow of data, contributing to the success of multiple projects.

Skills

Database Management (MSSQL)

PLSQL

Python Programming

Kafka

Data Integration

Cross-Functional Collaboration

Agile Project Management (Azure DevOps)

Data Quality Assurance

Education

Bachelor of Engineering - Computer Science

St. Francis Institute of Technology

Year of Graduation: 2020

Score: 9.62 CGPA

Achievements

Microsoft Certified: Power BI Data Analyst

Microsoft Certified: Azure Fundamentals and Azure Data Fundamentals

Completed Machine Learning course from Stanford University - Coursera

NPTEL Elite + Gold Certified in Database Management System

Completed Python Specialization from University of Michigan - Coursera

Presented "Personality Assessment Using Social Media for Hiring Candidates" at the 2020 3rd International Conference on Communication System, Computing and IT Applications (CSCITA)

Contact

Feel free to drop me a LinkedIn message to connect for job opportunities 😊

[Roshal Moraes LinkedIn Profile](#)

To check some of my self learning projects, do visit my github handle

[Roshal Moraes GitHub Profile](#)