Dany Koudede

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Summary

Highly skilled Data Engineer with real-time integration experience seeking to leverage expertise in designing, building, optimizing, and managing large scale data pipelines for analytics, machine learning, and AI. Adept at consuming data from various sources and formats and engineering scalable and performant data systems. Strong proficiency in Apache Spark, Python, and SQL, coupled with extensive experience in data analytics and Visualization. Excellent communication skills and ability to effectively communicate technical concepts to diverse audiences.

Skills

- Amazon Web Services
- AWS / IBM Cloud
- Data structure and Algorithm
- Machine Learning & AI
- Software Documentation Control
- Databases: Oracle, MongoDB, SQL, NoSQL
- Project Management
- Data Analysis and Manipulation
- Data Management and Quality Control
- RPA (Robotic Process Automation)
- Tableau, MS Power BI
- Salesforce CRM
- HTML, CSS, SQL, JavaScript, Python, R, Apache Spark (PySpark, Spark SQL), Scala
- Spark / Web development
- Geospatial and Non-geospatial Technologies
- ArcGIS Software and Tools
- Data engineering
- Data integration
- Data modeling
- Data architecture
- ETL/ELT processes
- Excellent Oral and Written Communication
- Detail-Oriented
- Organizational Skills

Experience

Data Engineer, 02/2023 — 08/2023
CSAT Solutions — Houston, Texas

- Designed, built, optimized, and managed modern large scale data pipelines for ETL/ELT processing to support real-time integration for analytics, machine learning at scale.
- Consumed data from a variety of sources and formats, including streaming, flat files, structured data, unstructured data, and APIs.
- Engineered scalable, reliable, and performant data systems and platforms utilizing reusable data engineering patterns and frameworks with best practices and standards.
- Established robust data integrity monitoring to ensure accurate data for machine learning and AI solutions.
- Wrote advanced/complex SQL queries with performance tuning and optimization.
- Identified and implemented improvements in data reliability, data integrity, system efficiency, and data quality.

Project: Data Analyst, 03/2022 — 09/2022
Sunshine Cleaning Systems Inc. — Lauderdale Lakes, FL

- Conducted comprehensive data analysis to identify areas of cost reduction and revenue enhancement.
- Developed and implemented a methodology to track and analyze expenditure data in order to identify inefficiencies and cost-saving opportunities.
- Collaborated with cross-functional teams to gather and analyze relevant data, such as sales figures, customer demographics, and market trends, to identify growth opportunities and revenue-driving strategies.
- Utilized statistical techniques and predictive modeling to forecast revenue potential and optimize pricing strategies.
- Created and maintained data dashboards and visualization tools to present insights and key metrics to stakeholders in a visually appealing and easy-to-understand format.

Achievements:

- Implemented a cost reduction initiative that resulted in a 10% decrease in overall spending within the first quarter.
- Developed a pricing optimization model that led to a 15% increase in revenue for a product line.
- Streamlined data collection and reporting processes, reducing time and effort by 30%.
- Presented data-driven recommendations to senior management, resulting in key strategic decisions that improved profitability.

SQL Developer, 02/2019 — 11/2021

Intertek — Houston, TX

- deployed and monitored SSIS Packages for new ETL Processes. Creating ,updating, and deploying quality T-SQL codes, stored procedures, views, functions, triggers and jobs.
- Updating and enforcing security procedures assuring 15% less breach risk Tested databases and performed bug fixes.
- resolve program architecture issues and reduce support requests Normalized databases which helped reducing duplicate data, significantly improving marketing segmentation, and enhancing performance and metrics Maintenance
- Support of SQL server Mirroring, Log shipping, Clustering, and other methods of disaster recovery
- Working with business stakeholders, application developers, and production teams and across functional units to identify business needs and discuss solution options.
- Developing highly efficient algorithms in python through both pair-programming and independent work The algorithms
- improved inventory management benchmarks 18 percent
- Updating status on work through JIRA.

Python Developer Intern, 03/2016 — 07/2016

Johnson & Johnson — New Brunswick, NJ

- Developed and maintained Python-based web applications using Flask framework.
- Collaborated with cross-functional teams to gather requirements, design and implement solutions, and deliver high-quality software products.
- Designed and optimized relational and non-relational databases for efficient data storage and retrieval.
- Implemented RESTful APIs for seamless integration with external systems and services.
- Utilized web scraping techniques to extract data from various sources and perform data analysis.
- Worked with front-end developers to integrate server-side functionality with client-side interfaces.
- Conducted code reviews and performed unit testing to ensure code quality and functionality.
- Used version control systems like Git to manage source code and facilitate collaboration.
- Participated in Agile/Scrum development methodologies to meet project deadlines and milestones.

Education and Training

08/2017 Houston Community College — Houston, TX
Associate of Science Computer And Information Sciences

08/2012 Marien Ngouabi — Congo
Bachelor of Science Mathematics

Websites, Portfolios, Profiles

- https://koud-dany.github.io

Certifications

- Certification in data analytics & Visualization ~ Rice University
- IBM Data science certificate
- ML in production ~DeepLearning.AI certificate
- Microsoft 70-762 SQL dev Certificate