



# DANY KOUDEDE

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## Summary

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Highly skilled and experienced data analyst with a strong background in SQL development and data visualization. Proficient in leveraging Azure Databricks and Power BI for large-scale data analysis and visualization. Skilled in utilizing Python scripting for efficient data solutions and web scraping. Experienced in Amazon Web Services, MongoDB, and Tableau. Possesses advanced math knowledge, including probability and statistics, and expertise in relational databases, ETL processes, and automation. Strong analytical and problem-solving abilities with a detail-oriented approach. Certified data Analyst and Microsoft SQL developer. Excellent organizational, critical thinking, and time management skills.

## Skills

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- Amazon Web Services
- Software Documentation Control
- MongoDB
- RPA (Robotic Process Automation)
- Tableau
- Power BI
- Azure Data Lake and Blob Stores Management
- Power BI Rest APIs
- Salesforce CRM
- SQL, JavaScript, Python, R, HTML, CSS, JavaScript
- PySpark, Scala, ADL/ADB (Azure Data Lake/Azure Data Bricks)
- Data analysis & visualization,
- Automation
- Web scraping
- Advance Math
- Probability & Statistics
- Data structure & Algorithms,
- Relational Database
- EC2 AWS
- ETL
- SSRS, SSIS, ORM
- Object Oriented Programming
- Agile/Scrum Methodology
- Git , Github, Gitlab
- Web Programming
- Machine Learning & AI
- Operating system: Linux, Microsoft Windows, macOS
- Framework: Flask
- Organizational Skills
- Critical Thinking
- Time Management
- Detail-Oriented

## Experience

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Varsity Tutors | Houston, TX

**Part Time Programming Instructor**

06/2019 - Current

- Utilized Slack to inform students of course requirements, evaluation procedures and attendance requirements.
- Performed assessments focused on long and short-term student needs to develop individualized education program.
- Established objectives for lessons, modules and projects.
- Observed and evaluated student performance and development and provided appropriate feedback on work .

Varsity Tutors | Houston, Texas

**Mathematics Instructor/ Part Time**

08/2017 - Current

- Collaborated with parents and teachers to determine student needs, develop tutoring plans and assess student progress.
- Assessed students for math anxiety disorders and provided appropriate recommendations for support.
- Designed individual tutoring plans for students of different levels. Utilized positive reinforcement techniques to encourage and motivate students.
- Coached students through challenging material with positive

reinforcement and encouragement.

- Developed handouts, study materials and quizzes.
- Tutored freshmen in college-level math courses, coordinating tutoring hours with lab instructors and teachers.
- Established high level of proficiency advanced math concepts.

Cigna | Hartford, CT  
**Junior SQL Developer**  
02/2020 - 10/2022

SSMS, T-SQL, PL/SQL, Python, JIRA, Visual C++, SPRING, SOAP, REST, Hibernate Developed,

- 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 and 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 C++ through both pair-programming and independent work
- The algorithms improved inventory management benchmarks 18 percent
- Updating status on work through JIRA.

United Health Group. | Houston, TX  
**Data Analyst**  
03/2017 - 03/2019

- Employed business intelligence tools, such as Power BI, to meticulously analyze and visually represent large datasets, providing invaluable insights for informed business decision-making.
- Developed robust systems for modeling and sophisticated data analysis utilizing Data Brick, effectively optimizing data processes and elevating efficiency.
- Ensured data quality and accessibility by overseeing and managing Azure Data Lake and Blob stores.
- Designed and created web applications using Power BI Rest APIs, facilitating real-time data visualization and interactive user experiences.
- Implemented and improved data pipelines using Azure Synapse, streamlining data flow and enhancing data management capabilities.
- Automated data processes and executed data transformations by crafting Python scripts.
- Collaborated closely with cross-functional teams to gather requirements, understand business needs, and deliver comprehensive and actionable reports and dashboards.
- Conducted extensive data analysis and performed ad-hoc queries to provide insights and answers to complex business questions.
- Upheld data integrity and security through the implementation of effective data governance practices.

Johnson & Johnson | New Brunswick, NJ  
**Python Developer Intern**  
03/2016 - 07/2016

- 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

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Houston Community College | Houston, TX

**Associate of Science** in Computer And Information Sciences

08/2017

Marien Ngouabi | Congo

**Bachelor of Science** in Mathematics

08/2012

## Languages

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**English:**



Full Professional

**French:**



Native/ Bilingual

**Spanish:**



Limited

## Websites, Portfolios, Profiles

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

## Certifications

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- Certified data scientist ~Rice University
- Microsoft 70-762 SQL dev Certificate
- Google data Analytics Certification