DANY KOUDEDE

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Summary

Certified data analyst specializing in requirements analysis, software development and database management. Autonomous professional with more than 3 years of experience in collecting, cleaning and interpreting datasets. Natural problem solver with strong cross-functional understanding of information technology and business processes.

Skills

- Skills: Data analysis & visualization, Math, Automation, Data structure & Algorithms, object oriented programming , Relational Database, AWS, ETL, SSRS, SSIS, Azure, Automation, Data Mining, Risk Assessment, Reporting Tools, Statistical Analysis, Scrum/Agile Methodology, Big data, Reverse Engineering Skills
- Programming Languages: Python |R| SQL | HTML |CSS | JavaScript | Java
- Python Modules/Libraries: Pandas| Numpy | Spark | Scala| SQL Alchemy| Pymongo| OS| Beautiful Soup| Tensorflow & Keras| OpenCV| SKlearn| Selenium
- RDBMS: Mysql |Mssql| Oracle| Mongo db

- JavaScript Libraries: jQuery| D3.js| Plotly |Leafset
- Frameworks: Flask
- Operating system: Linux Microsoft Windows macOS

Experience

Programming Instructor (Python, SQL,...)   06/2019 - Current
Varsity Tutors | Houston, TX

- 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 .

SQL Developer   02/2020 - 10/2022
Cigna | Houston, TX
SSMS, T-SQL,PL/SQL, Python , JIRA, Visual C++, SPRING, SOAP, REST, Hibernate

- Established successful protocol for program development and database maintenance.
- Tested databases and performed bug fixes.
- Developed, deployed and monitored SSIS Packages for new ETL Processes.
- Creating and updating quality T-SQL codes, stored procedures, views, functions, triggers and jobs
- resolve program architecture issues and reduce support requests by more than 30% Normalized 3 databases which helped reducing duplicate data, significantly improving marketing segmentation, and enhancing performance and metrics by more than 90%

- 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.
- Designed and developed and maintaining SSRS reports in TFS and VS based on BRD documents and Stored procedures and deploying all reports to PPMO environment .
- 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.

Python Data Analyst   02/2014 - 05/2017
Europcar | Paris
- Create, update, and deploy quality T-SQL codes, stored procedures, views, functions, triggers, and jobs.
- Updating and enforcing security procedures ensuring 15% less breach risk
- Extensively used Python's multiple data science packages like Pandas, NumPy, matplotlib, Seaborn, SciPy, Scikit-learn, and NLTK.
- Built models using techniques like Regression, Tree based ensemble methods, Time Series Forecasting, KNN, Clustering, and Isolation Forest methods.
- Use data augmentation, cross-validation, and hyperparameter tuning methods to avoid overfitting.
- Increase accuracy rate up to 98%
- Create a framework using D3.js and flask for visualizing trends and understanding patterns of transactions using the history data.
- Interact with non-technical stakeholders to deliver analyses and answer questions on deliverables.
- Applied data mining for new and valuable business insight that helped cut expenses by up to 20% and increase revenue by 8.95 %.

Python Developer Intern   03/2013 - 01/2014
Alten | Boulogne-Billancourt, Ile-de-France
- Used Flask Framework for web application development and implemented model view controller architecture.
- Design and implementation of backend templates and API endpoints for complex workflows.
- Utilized SQLalchemy as ORM to write ORM queries for application development with flask.
- Integrate object-oriented design and development techniques into projects to support usability goals.
- Worked with various Python-integrated development environments such as PyCharm, Visual studio code, Idle and Jupyter Notebook.
- Using the Beautifulsoup Python library for web scraping to extract data for mining and visualization using NLP and modules such as NumPy, Pandas and Matplotlib.
- Used the Python Unit test library to isolate written code to test and determine if it works as intended.
- Code analyzed and errors corrected to optimize output.
- Leverage Agile methodologies to quickly move the development lifecycle from initial prototyping to enterprise quality testing and final implementation.

Education

Bachelor of Science: Mathematics   08/2012
Marien Ngouabi University | Congo

Certifications

- Data analysis and visualization Certificate

Websites, Portfolios, Profiles

- GIthub: https://github.com/danykoud
- Linkedin: https://www.linkedin.com/in/dany-koudede-1152611a5/
- Portfolio: https://koud-dany.github.io/

Languages

French:

Native/ Bilingual

English:

Full Professional

Spanish:

Limited