

Vanessa Puke

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Data Analysis | Data Mining | Data Warehousing | Regression Analysis | Data integration | Data Mapping | Business Analysis | Business Processes | Requirements Management | Project Management | Business Process Modeling

Database Administrator /Data Analyst

Summary:

- Skilled and detail-oriented Masters of Computer Science graduate with a keen interest in Database Development, Data Engineer, Database Administrator, Data Analysis, etc.
- Analyzed querying data using structured and unstructured databases.
- Strong Knowledge of Database SQL as well as Power BI and SQL Server Management Studio.
- Worked and extracted data from various database sources like Oracle, SQL Server, file systems, servers, databases, SQL, and data movement (ETL).
- Executed SQL queries with pre-defined aggregated functions such as COUNT, MAX or MIN.
- Ability to perform database Refresh from production to test and development environments using RMAN Duplicate.
- Effectively monitor the database systems to ensure secure services with minimum downtime.
- Knowledge of constructing database security policy using passwords, privileges, user profiles, Transparent Data Encryption to encrypt tables and Tablespace; implemented auditing policies as well as data redaction and data masking.
- Installed and administered Physical Standby databases to achieve high availability and disaster recovery solutions (DATA GUARD).

Education:

Austin Peay State University, Clarksville TN

May 2021

- Master of Science in Computer Science and Quantitative Methods (Predictive Analytics Concentration) **GPA: 4.00**
- **Relevant Coursework:** Statistical Design & Analysis of Clinical Trials, Probabilistic & Statistical Reasoning, Regression Analysis, Data Science with Python, Database Management Concepts, Machine Learning, Predictive Analytics, Big Data, Time series.
- **Research Work:** Building a regression model to predict death rate caused by covid-19 | Building a model to predict gender using machine learning

University of Bamenda, Higher Institute of Commerce and Management, Cameroon

Aug 2016

- Bachelor of Business Administration in Accounting

GPA: 3.57

Certification:

- Microsoft Technology Associate – MTA Certified

Technical Skills:

- **Programming Language:** R, Python, SAS Base, Visual Basic, C, C++, C#, Scala, JMP Scripting Language, MATLAB
- **Data Analytics:** Spark, Data bricks, Hadoop, Tableau, Power BI, Looker, Qlik, Excel, MATLAB
- **Databases:** SQL (Oracle 12c, Oracle 19c SQL Server, MySQL, TSQL) and NoSQL (MongoDB, Cassandra)
- **Data & Project Management Tools:** Tableau Prep, Alteryx, Talend, Splunk, JIRA, GitHub, Service Now, TFS, Share Point, AWS
- **Analytics Tool:** PyCharm, SAS, R, SAS E-miner, SAS JMP, Google Analytics Individual Qualification certified, H2O.ai, IBM SPSS
- **Business Skills:** Google Office Suite, MS office suite (Excel, Word, PowerPoint), Supervised and Unsupervised Machine Learning algorithms, Time Series Analysis, Data Extraction, Data Analytics, Data Visualization
- **Technologies:** Functional programming, Business Intelligence, NLP, Computer Vision, Deep Learning, Process Improvement, Business Objects, Requirements Gathering, Troubleshooting
- **Interpersonal Skills:** Strong Internet Research, Excellent Verbal, Written and Quantitative Skills, Time Management and Prioritization Abilities, Effective Presentation and Negotiation Skills

Work Experience

SQL Database Administrator II

Jun 2021 - Present

JoinIT Solutions, San Antonio, TX

- Supervise, Upgrade SQL Server 2008 servers to SQL Server 2016 with both In-place & Side by Side Upgrades for new Client applications.
- Migrate databases from on-prem to azure as well as set up HA and DR solutions in azure.
- Configure and setup Always On availability groups in a 3-node cluster.
- Maintenance and support of HANA Replication for real-time data analysis.
- Create various maintenance plans for index fragmentation, backups to automate tasks as per SLA, ensure better system health performance and Identify existing systems that are candidates to be enhanced or modernized through detailed analysis of the infrastructure and current database design.
- Improve efficiency in the processes via automation of database refreshes by creating SSIS packages.
- Develop rules and guidelines for the development of SQL objects, optimize indexes and tables to ensure data integrity.

- Create, organize, and maintain MS SQL databases dictionaries, and schema documentation. Design and deploy data structures, triggers, functions, stored procedures, and views, create, and assess queries and reports.
- Apply and document change management plan. Resolve database access and performance issues.
- Interface with developers, network, virtualization, application, storage, and systems operations teams to test and resolve any type of problem/tickets with applications and database systems.
- Troubleshoot, provide guidance in database, server issues as infrastructure to configuration settings for optimal database performance

**Marketing Data Analyst
2021**

Aug 2019 - Jun

Asurion, Nashville TN

- Ensures compliance with regulatory requirements for data security during acquisition, transfer, storage, and archiving.
- Responsible for Managing and designing the reporting environment, including data sources, security, and metadata.
- Responsible for the Extraction, transformation, and a load of data using SQL and/or Informatica.
- Using Power BI to Develops dynamic, scalable, and effective dashboards including related KPIs/ metrics for visual analysis.
- Data Visualization using R Studio and Tableau for Analyzing and Preparation of weekly and Monthly statements.
- Assistance with revamping an app registration report for one of our clients: including validating counts, working with stakeholders and developers, and understanding metrics.
- Providing technical expertise on data storage structures, data mining, updates, deletion, and data cleansing.
- Optimized data collection procedures and generated reports on a weekly and monthly basis.
- Managing users & user roles using advanced Microsoft Excel to create pivot tables & pivot reporting, as well as use VLOOKUP function.
- Looking at store performance multiple months to identify stores to target for relatively high churn numbers.
- Provide quality assurance of imported data, working with quality assurance analysts if necessary.
- Supporting the data warehouse in identifying and revising reporting requirements.
- Assessing tests and implementing new or upgraded software and assisting with strategic decisions on new systems.
- Troubleshooting the reporting database environment and reports.
- Evaluating changes and updates to source production systems and Training end users on new reports and dashboards.

MS SQL Server Database Administrator

Sep 2016 - Jul 2019

Opportunity TO Succeed (OTS) - Cincinnati, OH

- Responsible for database structures management and administration tasks on SQL server RDBMS such as taking and maintaining database backups to restore, application and database support, performance analysis and tuning, security, and audits.
- Upgraded database management software SQL server 2008 to SQL server 2016 with In-place and Side by Side upgrade for new applications in the company.
- Configured and setup Always On availability groups in a Windows cluster test, and production environment, where two were in-house and 1 in a data center for disaster recovery.
- Handled SQL Server installations, Configuration, Security, and maintenance following best practices.
- Used SQL Server Profiler, Extended Events, Database Engine Tuning (DTA) for performance tuning & other third-party monitoring tools.
- Coordinate with developers for proper decision making when preparing database development components, writing complex SQL queries and database schemas.
- Worked with the entire IT team to test and maintain database software response times in 24x7 production environments.
- Leveraged technical expertise to mitigate downtime by proactively implementing corrective measures which in turn positively impact end-user experience.
- Production support, project planning, internal audit, routine maintenance, resolve issues, system documentation, database analysis, and executing administration tasks in a high-pressure environment.
- Install and configure SQL Server Integration and Reporting Services (SSIS), (SSRS).

Graduate Teaching Assistant

Aug 2019 - Jun 2021

Austin Peay State University, Clarksville, TN

- Wrote the statistical section of a protocol for a project that included: study design, the definition of study endpoints, randomization scheme, sample size calculation, multiplicity adjustments, subgroup analysis, interim analysis, and detailed statistical methods.
- Performed analyses of datasets with SAS and R using various statistical methods.
- Analyzing data using NumPy and pandas in python and SQL for undergraduate lab work.
- Independently conducted advanced lab work, data cleaning for machine learning projects.
- Tutored statistics and mathematics and helped students overcome their academic challenges (Statistics and Probability with the use of R and SAS).