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Professional Summary:

- Data Engineer with 11 plus years of experience in System design, analysis, and development of database applications in Client/Server applications using **SQL, and Snowflake**.
- Good exposure in **Matillion ETL tool**, created **orchestration and transformation** jobs, and **automated the jobs using Matillion scheduler** and pushed the data to Snowflake.
- Extensively used **Python with Pandas** in loading various types of data to the Snowflake db.
- Good exposure on the topics in the Snowflake like **Snow pipe, Tasks, Schedulers, Streams, Time travel, External Tables, Fail safe, Table Types, Cloning, Data Masking, Data Sampling, Materialized view, Functions, Data Governance, Snowpark and Snowflake Architecture**.
- Processed **real time streaming data** by consuming **Kafka messaging system** and **transformed the data using Matillion ELT/ETL tool**.
- Worked on different components like **S3 unload/load, SQS, SNS, shared jobs**, and used **scripting components** as well in the **Matillion**.
- Installed applications on AWS EC2 instances and configured the storage on S3 buckets. Responsible for S3 buckets creation, policies and the IAM role-based policies.
- Worked with **AWS Lambda function** to publish messages to **SQS/SNS for triggering jobs**.
- Excellent experience in writing **UNIX Korn shell** and **batch scripts** for indirect loading and used them to start workflows and archiving the files.
- Strong understanding of **Software Development Life Cycle (SDLC)**.
- Good knowledge of waterfall and Agile methodologies and Object-Oriented concepts.
- Good Experience in Functional Specification, Unit Testing, Test Coverage, Code Review, and defect analysis.
- Excellent understanding of **Data modeling on concepts like Star-schema, Snowflake schema using fact and dimension tables and relational databases, SQL Server, Oracle, Business Requirements Gathering and Process Engineering, Evaluating Data Sources and Translating Requirements into Specifications**.
- Good understanding of **oracle Data Dictionary, RDBMS, and Normalization Techniques**.
- Experience in creating ETL mappings in **Matillion** using Transformations.
- Having Good Analytical and working experience in **Core Java, Python, SQL**
- Demonstrated ability to identify root causes/ debugging of problems and troubleshoot, considering both long and short-term impact of proposed solutions and developed workable solutions.

Education:

- Bachelors in Electronics and Communication Engineering: Aurora's Technological and Research Institute, Hyderabad, India.

Technical Skills:

Languages	SQL, Snow SQL, UNIX/LINUX shell scripting, Python, Core Java
Tools	SQLPLUS, Matillion ETL tool, Toad, AWS S3, AWS EC2, AWS IAM, AWS CLI, AWS Cloud Watch, AWS SQS, AWS SNS, AWS Lambda, UC4 scheduler, Automate scheduler, XGear, Microsoft Visual Studio, Rapid SQL, GOCD, Putty, power Shell, Kibana, Splunk, XShell, Postman, Soap UI, WinSCP, Eclipse, PyCharm, Nagios.
Databases	Oracle, SQL Server , Snowflake
Messaging System	Kafka
Repository	GitHub, SVN.
Operating Systems	Microsoft Windows , Red Hat Linux.
Utilities	MS Word, MS Access, MS Excel, MS PowerPoint.
Servers	Web Logic, Web Sphere, Pivotal Cloud, Tomcat.

Professional Experience:**Comcast Corporation, Denver, CO****Dec 2015 – Present****DATA Engineer****Project Description:**

EMM- Event Management and Mediation:

EMM provides a structural platform for validating the Interface Points such as Collector and Mediation to capture, enrich and store valuable data across different products, for Comcast Internal Enterprise Systems and other External Multiple System Operating Partners. EMM Video project is the master system for the Xfinity Video on Demand (VOD) and Pay per View (PPV) business that interfaces with Billing systems, Customer care applications, and Web Self-care applications. The project handles customers on-demand pay per view, linear and cloud DVR purchases, and playbacks. The project is the backbone system for Xfinity E- pass, Merlin, e-wallet, and over the top billing platform which orchestrates billing interfaces for Channel store, Netflix, Sling, and OTT. It is responsible for various partners' content provider settlement reports, business revenue and trend report, and executive dashboards with data Quality, data analytics insights.

Responsibilities:

- Interact with business Analysts, gather requirements, and convert them into technical specs.
- Installed applications on AWS EC2 instances and configured the storage on S3 buckets. Responsible for S3 buckets creation, policies and the IAM role-based policies.
- **Developed python script to create AWS Lambda function to publish messages to SQS/SNS** for triggering jobs.
- Extensively used **Python with Pandas** in loading the data of different types of files to the Snowflake db.

- Created **new Tables, views, and file formats in the Snowflake database.**
- Created **orchestration and transformation** jobs using **Matillion ETL tool** and **automated the jobs using Matillion scheduler** and pushed the data to Snowflake.
- Processed **real time streaming data** by consuming **Kafka messaging system** and **transformed the data using Matillion ELT/ETL tool.**
- Used Matillion to load the flat file-csv file data to Snowflake tables.
- Created various **Shell scripts for spooling the data into the files, also to load the data from various formats of files to the tables.**
- **Automated various reports using Shell scripts that were directly shared with the business users.**
- Used Secure **Shell, putty** to connect to UNIX machines.
- Created new scripts in UNIX/Linux based on the requirement.
- Created **Procedures and Functions** as per the requirement.
- Created **views and materialized views** to improve the performance.
- Used GIT as a source code management. Managed GitLab repositories for branching, merging, and tagging.
- Update and modify procedures, packages, functions based on the change request.
- Created new stored procedures and debugged the existing ones.
- Used SQL Loader to load the flat file-CSV file data to tables.
- Driving business feature implementations in TBMS mediation suites, rating applications, pivotal cloud foundry, and transaction feature implementations in Kafka and AWS.
- Actively participating in production system support and maintenance, proactive automated monitoring using **Nagios, UC4, and TBMS product support.** Developed business reports, executive dashboards, and trend analysis for the video business.
- Achieve continuous integration and continuous deployment using **GitHub, GOCD, and pivotal cloud foundry** for faster time to market and improve their stability and performance using metrics generated by app-dynamics.
- Used Kibana for checking the application logs.
- Created and monitored database maintenance plans for checking database integrity.

Environment: SQL, Matillion ETL tool, Snowflake, Python with Pandas , Kafka , AWS S3, AWS EC2, AWS IAM, AWS SQS, AWS SNS, AWS CloudWatch, AWS Lambda , Toad, SQL Developer, SSMS, Windows NT, XShell, and Putty for UNIX, Unix Shell Scripting, Core Java, SQL LOADER, Kibana, Splunk, Pivotal Cloud, Postman, Soap UI, WinSCP, Eclipse, GitHub, UC4 scheduler, Automate scheduler, GOCD, Nagios, SVN, Web Logic, Web Sphere, Pivotal Cloud, Tomcat, MS Word, MS Access, MS Excel, MS PowerPoint.

EE (Everything Everywhere), Bristol, UK /Hyderabad, India

Apr 2012 –Dec 2015

Sr. SQL Developer

Project Description

EE (formerly Everything Everywhere) is a British mobile network operator, internet service provider, and a division of BT Group. It was established in 2010 as a 50:50 joint venture between Deutsche Telekom and France Telecom (now Orange S.A.) through the merger of their respective T-Mobile and Orange businesses in the UK. It is the largest mobile network operator in the UK, with 29.6 million customers, and the largest operator of 4Gservices in Europe.

Developed procedures as part of SQL development. Loaded data into custom tables with the help of stored procedures and using ETL tools. Worked in different modules for different teams like FRAUD detection and revenue protection, TOPICS, SONIC, TIAM.

Responsibilities:

- Analysis of the owned application in case of any enhancements/new requirements for existing/upcoming products.
- Running queries in SQL **Server** and updating the database through the back-end process.
- Created SQL /PLSQL Scripts in Various integrations in the project.
- Move data between the servers using FTP and SCP.
- Created new **Tables, Indexes, views, synonyms, and Sequences** in the Oracle database.
- Created **Procedures, Functions, and Packages** as per the requirement.
- Experience in transforming unstructured data from various data sources using **Data stage** like **conditional split, merge join, sort and Lookup**.
- Created Java applications for automation.
- Used **Unix Shell scripting** for generating summarized reports.
- Has insight knowledge in preparing functional and business test scenarios.
- Responsible for coordinating **Level-2 (L2), Level-3 (L3), and RRT Activities** from Offshore including resolving incidents that are customer impacting, LIVE server deployments, Document preparation, providing root cause analysis, and prevent the high priority incidents from occurring and minimize the downtime for the critical software components and offshore team training.
- Used **Tidal Scheduler** for scheduling job and **Data stage** as an ETL tool.
- Involved in performing Verification and Validation and ensuring that software developed, meets the customer specification and requirements. Responsible for working on peer review of test cases, Functional test execution and release certifications, Automation testing, Organizing and attending defect triage meetings with project stakeholders for quick defect fixing of the defects found.
- Feasibility study of User Requirements Specifications (URS).
- Preparation of System Requirements Specifications (SRS).
- Other activities include detailed discussions with technical counterparts, Post-Production Support.

Environment: SQL SERVER, SYBASE, DATASTAGE, UNIX, JAVA, Splunk, TIDAL Scheduler.

NSN Telefonica, Chennai, India

Apr 2011- Apr 2012

SQL Developer

Project Description

Telefonica is one of the largest telecommunications companies in the world in terms of market capitalization and number of customers. With its best-in-class mobile, fixed and broadband networks, and innovative portfolio of digital solutions, Telefonica is transforming itself into a 'Digital Telco', a company that will be even better placed to meet the needs of its customers and capture new revenue growth.

Responsibilities:

- Created SQL /PSQL Scripts in Various integrations in the project.
- Created **Shell scripts** integrated with SQL.
- Used **Batch process, Import, Export, Backup**, and Database monitoring tools.
- Used Data Stage for integrating various platforms for data integration.
- Created **procedures, tables, indexes, views** in SQL, and Sybase database.
- Developed **Database Triggers** to enforce Data integrity and additional Referential Integrity.
- Used **batch jobs** for a bulk load.
- Used **SQL Profiler** for troubleshooting, monitoring, tuning of SQL Server, and SQL code.
- Performed query tuning using **Explain plan**.
- Analysis of the owned application in case of any enhancements/new requirements for existing/upcoming products.
- Created Java applications for automation of script deployments.
- Preparation of System Requirements Specifications (SRS).
- Other activities include detailed discussions with technical counterparts, Post-Production Support.

Environment: SQL SERVER, SYBASE, DATASTAGE, UNIX, JAVA, TIDAL Scheduler.