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**AVIJIT JAISWAL**

**EXP: 9 YEARS 4 MONTHS**

**SUMMARY - WORK EXPERIENCE**

* **Senior Technical Architect, Data & Integration** (**Snowflake, Google BigQuery,** **Python, Workato, Talend & ESB**) experience in integrating data from different sources like **Salesforce, Netsuite, Docebo, Stripe, Recurly, Elasticsearch, Google BigQuery, Redshift, S3**, etc.
* **ETL Lead/developer** (**Python,** **Workato, Talend & Informatica**) in various DWH implementations across multiple verticals over cloud platform, like **AWS, Google BigQuery, Snowflake**.
* Utilized **Python, Visual Studio, Java, Eclipse/J2EE**, tested programing code & Applications, collaborated with team and management.
* Worked on many Tool Migration and Database Migration Project **to Workato & Talend, On-Prem to Amazon Redshift Migration**.
* Experience with **Kibana** for building company wide dashboards and monitoring systems for companywide integrations.
* Extensive experience in implementing **metadata based ETL frameworks**.
* Experience in **Microservices Architecture** and building a **SaaS billing system**.
* Designed and developed the fully automated tool using AWS API’s for Scheduling and Data.
* Experience in development of tool like TCS – ECA (Embedded Code Analyzer) using Core Java.
* Created many custom Routines & code snippets using Java in Talend Data Fabric Studio.
* Exposure to **Dimensional Data Modelling** - Translate business needs /reporting requirements into data models supporting Data Marts for different subject areas.
* **Cloud & Big Data technologies – AWS, Google BigQuery, Redshift, Snowflake, S3, SWF, API Gateway, Lambda, EMR, Hive, Elasticsearch & Kibana.**
* Thorough experience with different **SDLCs (waterfall, AGILE)** & tools like **JIRA**.
* Experience as ETL Team Lead & Ability to prioritize competing demands & manage multiple concurrent tasks.
* Self-starter with strong analytical & problem-solving skills.

**Present Role -** As a Senior Technical Architect, Data & Integration, I lead the development of robust data ecosystems and integration solutions for a SaaS-first company. Leveraging expertise in cloud platforms like AWS, Google Cloud, Snowflake, and Google BigQuery, I orchestrate seamless data flows from diverse sources such as Salesforce, Netsuite, Google Analytics, and many more. My role involves handling stakeholder management, designing scalable architectures, implementing ETL frameworks using Python, dbt, and Workato, managing Data Engineers, maintaining the Data Warehouse, leading the design of the reporting layer, and spearheading migrations to optimize data management efficiency. Additionally, I am actively involved in hands-on development with a focus on microservices and metadata-driven ETL, ensuring the alignment of technical solutions with business objectives, fostering innovation, and enabling informed decision-making company-wide. Furthermore, I bring extensive experience in reporting and working with Marketing Ads Platforms, enabling integration of these platforms' data for insightful analytics and informed decision-making company-wide. Moreover, I lead a team of 4 Engineers, comprising 2 Data Warehouse specialists working on dbt and SQL, dedicated to building the dimension layer, and 2 Data Engineers, driving the company's data integration and analytics initiatives.

**Summary – Tools, Databases, Scripting & Programming**

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| **SKILLS** | |
| ETL DESIGN & DEVELOPMENT , Expert in Talend ETL Studio, Python, Workato. | |
| DATA MODELLING (DIMENSIONAL) | |
| BIG DATA TECHNOLOGIES & CLOUD | |
| METADATA DRIVEN FRAMEWORK IMPLEMENTATION | |
| PROJECT MANAGEMENT (WATERFALL / AGILE) | |
| **DETAILS (TOOLS / DATBASE / SCRIPTING / LANGUAGES)** | **NO. IN MONTHS** |
| INFORMATICA POWERCENTER 9.x | 20 |
| TALEND DATA FABRIC STUDIO | 82 |
| WORKATO (Building APIs using platform API & Event Driven Integrations) | 72 |
| ELASTICSEARCH & KIBANA | 36 |
| DATA MODELLING (ERWIN) | 18 |
| ORACLE SQL & PL/SQL | 66 |
| CLOUD TECHNOLOGIES – AWS, REDSHIFT, API Gateway, Lambda, SWF, S3, EMR | 62 |
| BIG DATA TECHNOLOGIES – HIVE (POCs and using Talend Tool) | 38 |
| UNIX SHELL SCRIPTING (AIX 6.0), PERL | 8 |
| COGNOS | 5 |
| CORE JAVA (J2SE) | 40 |
| JIRA | 40 |

**Verticals:**

* Life Science
* Travel & Tourism
* E-Commerce
* SaaS Business

**TECHNICAL EXPOSURE**

* **As Lead Data & Integration Engineer**
  1. Building **Batch Integrations to sync high volume data** from systems like Salesforce, Stripe, Recurly, Google Ads, Google Analytics to Data Warehouses like **Snowflake & Google BigQuery using Python.**
  2. Designing System Architecture to sync **RevRec Data between Transaction Database and Netsuite Systems.**
  3. Extensive experience with **Data Integrations over cloud platforms like AWS.**
  4. Building a **3 Tier architecture and modelling reusable recipes/functions both in Workato & Talend to build Enterprise Integration.**
  5. Have experience in building custom rest endpoints & with the SOAP Webservices within Netsuite.
  6. Extensive knowledge on the CRM systems Salesforce, including integration architecture like Outbound Messages, Platform Events.
  7. Experience with AWS Services like S3, Glue, SWF, EMR, Hive, Lambda for building integrations.
  8. Experience with additional concepts like **API Platform, PubSub, Global Error Handling, Log Handling with s3 and elasticsearch.**
  9. Experience with additional features of **Talend – ESB, Talend Cloud, Talend On Prem.**
  10. Experience with PL/SQL and handling large volume of data.
  11. Additional Business Systems Integration Experience – **Greenhouse, Anaplan, Stripe, Recurly, Salesforce, Netsuite, Quickbooks, Marketo, EIG, Third Party Vendors, SFTP Integrations, Marketing Ad Platforms – Google, Microsoft, Facebook.**
* **As ETL Lead & Developer**

1. Understanding the Data Models (LDM and PDM), Data dictionary & architecture/design documents.
2. Requirements/Business Rules Clarification & different validation rules & standards.
3. Design/Implement Non-functional requirements – auditability, restart-ability, validation framework, etc.
4. Creating High Level Design Documents & Source to Target Data Mapping sheets.
5. Managing DDLs to implement the data model and communicating with the dba.
6. Tuning and Optimizing Informatica/Talend related objects as per the project requirements.
7. Reviewing Use Cases & Low Level Design of the process done by developers.
8. Defining Coding Standards/Best Practices and Guidelines.
9. Coordinating with different teams and leading team meetings.
10. Estimations & Distribution of work among team members.
11. Designing the Low Level Design of the process
12. Creation of Use-Cases & UTP as per data mapping sheets.
13. Define and create metadata for various frameworks.
14. Development of ETL mappings – different Dimensions/facts/hierarchies/reference tables etc.
15. Development of SQL, PL/SQL codes, Data load & extraction scripts using Hive QL
16. Metadata framework implementation using individual and wrapper unix shells scripts.
17. Reconfiguring long running ETLs/data loads using spark scala processing.
18. Follow best practices of different ETL tools and Databases.
19. Migration of code to different environments.
20. Updating JIRA boards and development status.

* **As Java Developer**
  1. Involved in the full life cycle of software design process of other projects, including prototyping, proof of concepts, design, interface implementation, testing and maintenance.
  2. Used GIT/Stash as a repository for the application project folders.
  3. Troubleshoot various software issues using debugging process and coding techniques.
  4. Write, modify, and maintain software documentation and specifications.
  5. Usage of custom Java components & Routines in the ETL tool - Talend.
* **As AWS Developer**
  1. Extensive experience in AWS Services like – Redshift, RDS, EC2 to build an enterprise level Data Warehouse.
  2. Using EMR to create HIVE Table on S3 Data.
  3. Integrating various services of AWS using cloud API’s and AWS SDK.
  4. Serverless Computing with API Gateway, AWS Lambda.
  5. Request – Response Cycle on API Gateway.
  6. Managing Integration Request & Integration Response.
  7. Usage of Models for Request & Response Validation.
  8. Fixing of CORS issue while accessing API’s.
  9. Managing Systems Tables on Redshift.
  10. Using API Gateway & Lambda to Get, Delete data on Dynamo DB.
* **As Data Modeller** in Data Integration projects

1. Understand and translate business needs /reporting requirements into dimensional data models
2. Developing OLAP models (hierarchies, dimensions, bridge tables, etc.) for different BI requirements -Physical and Logical model for EDW and Data Mart.
3. Recommend opportunities for reuse of data models in new environments.
4. Perform reverse engineering of physical data models from databases and SQL scripts.
5. Developing and maintaining data dictionaries and metadata management

**EDUCATION / CERTIFICATIONS**

B.Tech. (Computer Science & Engineering), 2014 - Brainware Group of Institutions (W.B.U.T) – 8.26 DGPA

Certifications completed:

* Talend v5.6 Data Integration Certified Developer.

**ACHIEVEMENTS**

* Qualified Theory paper for NDA Exam and then passed the **“Pilot Aptitude Battery Test”.**

**EXTRA CURRICULAR ACTIVITIES**

* Represented school cricket team in few tournaments.

**HOBBIES & INTERESTS**

* Listening to music.
* Playing games and Sports.
* Programming.

**LANGUAGE PROFICIENCY**

* ENGLISH: READ/ WRITE/ SPEAK
* HINDI: READ/ WRITE/ SPEAK
* BENGALI: READ/ WRITE/ SPEAK