|  |
| --- |
| **Umesh Chandra Dash** **Present Address:**VIM-403, ShaileshreeViharChandreskhpurBhubaneswar– 751024**Mob**: +91-9692369056, +91-8327785071**Email**: umeshdash2009@gmail.com**LinkedIn**: https://www.linkedin.com/in/umesh-chandra-dash-855944104/ |
| **Profile Summary** |
| Working as a Senior Data Engineer at **Pitney Bowes Inc.** with 7 years of IT experience, having technical proficiency in the field of Business Intelligence, Data Warehousing and Data migration with Data Analysis, Business Requirements Analysis, Application Design, Development, testing, and Implementation of Business Intelligence solutions using TERADATA, Snowflake, ORACLE (SQL/PLSQL), Unix Shell Scripting, Python Scripting and TABLEAU. |
| **Skills Summary** |
| **Domain** | Business Intelligence, DWH, Analytics, Data migration |
| **Technologies** | Snowflake, Teradata, Aurora-MySQL, Oracle, Hadoop, Unix Shell Scripting, Python, Spark SQL, Vertica |
| **Operating System / ERP Version** | Mac OS and other versions, Windows 10, UNIX |
| **Tools** | DBT, Snaplogic, Tableau, Power-BI, Autosys, Informatica, SQL-Workbench, SQL-Developer, MySQL-Workbench, Control-M, TES |
| **Worked on Cloud Technologies** | Snowflake, Aurora, AWS, DBT |
|  |
| **Professional Certifications/ Trainings** |
| * Successfully completed **SnowPro** certification with 89% on 22-Jan-2020.
 |
| **Achievements** |
| * Qualified in inter-unit firing competition (State level).
* N.C.C. (National Cadet Corps) – **'B' and 'C'** Certificate holder.
* Got ACE and STAR award 3 times in a year in my current organization.
 |
| **Experience Summary** |
| * 7 years of experience in Strong Business Analysis experience on Data Analysis, User Requirement Gathering, User Requirement Analysis, Gap Analysis, Data Transformations, Data Relationships, Source Systems Analysis and Reporting Analysis.
* Worked on writing Python scripts to read data from CSV or XLS files and load it into database.
* Proficient in Creating Procedures (through Command line, manual creation and by Database Designer), table, Statistics and performance tuning in TERADATA and ORACLE.
* Developed ETL pipelines in and out of data warehouse using combination of Python and Snowflake’s SnowSQL.
* Developed scripts (Unix, Python etc.) to do Extract, Load and Transform data.
* Ability to provide production support for Data Warehouse issues such data load problems, transformation/translation problems etc.
* Good knowledge in Unix Shell scripting and Python scripting. Prepared scripts which can be used for business adhoc reporting.
* Proficient in ETL/ELT framework of pulling data from one DB to other DB.
* Basic knowledge in Hadoop and Spark SQL.
* Worked on ORACLE performance tuning.
* Proficient in creating/Modifying Tables, Views, Stored Procedures, and different type of Indexes in Teradata database.
* Worked with Teradata utilities in developing & designing ETL by using utilities like BTEQ, Fast Export, Fast Load, Multi Load, TPT & Tpump to export and load data to/from different source systems including flat files on UNIX environments and running the batch process for Teradata using autosys.
* Proficient in debugging, troubleshooting, monitoring, and performance tuning by identifying long running SQL query and tuning using EXPLAIN PLAN, Collect Statistics, diagnostics help stats, Creating PI /SI & Join indexes in Teradata.
* Experience with usages of different indexes (PI, SI, JI, VOSI, AJIs, PPI (MLPPI, SLPPI)) and Collect Statistics in performance tuning.
* Proficient in preparing high/low level documents like detailed level design and functional specifications, Test cases, Query Register and GAP documents for Business users.
* Worked in creating different reports using TABLEAU.
* Building, publishing customized interactive reports and dashboards, report scheduling using Tableau server. Developed Tableau workbooks from multiple data sources using Data Blending.
* Created parameters, calculated sets and sets for preparing dashboards and worksheets in Tableau. Restricted data for specific users using User filters in TABLEAU.
* Involved in Unit Test Case, Integration Test, User Acceptance Test (UAT) preparation and testing of the applications.
* Well versed with all stages of Software Development Life Cycle (SDLC) i.e. Requirement(s) gathering & analyzing, Design/redesign, Implementation and Testing.
* In-depth hands-on experience in database, ETL/ELT design and development and have excellent data analysis skills.
* Possess an analytical mind-set, fast-learning ability, independent problem-solving skills, troubleshooting expertise and versatility to resolve multifaceted issues despite the challenges of changing priorities.
* Did analysis starting from root level and conforming the calculation for apple pay, before submitting it to USER. For this we did various round of unit testing at each point of Development.
* Followed all steps of SDLC starting from analysis, coding, testing, debugging, implementation, and integration.
* Database design and implementation including tables, procedures, indexes, and views.
* Optimized query by running explain plan, statistics, checking join strategies and spool space required for query execution.
* Worked with loading data from production into UAT using TPT, fast-load and fast-export for testing and validation.
* Developed Test scripts & Test Plans. Responsible for Unit Testing & System Testing.
* Building, publishing customized interactive reports and dashboards, report scheduling using Tableau server.
 |
|  |
| **Work Experience** |
| **Project 11** |
| **Project Name** | **Snowflake Optimization Phase—I, II, III, IV** | **Team Size** | 2 |
| **Client Name** | **Pitney Bowes Inc.** | **Duration** | **Apr,2021 – Till Present** |
| **Project Description** | There are lot of legacy codes present in Snowflake. Optimized all the code by creating different stored-proc or by creating UDFs. |
| **Role & Contribution** | * Writing different stored-proc or UDFs.
* Optimize the legacy code and write it in a better way that can increase the performance of the code.
* Source is Snowflake and target is Snowflake.
* Preparation of test cases, test results are other Usage guides which are essential for the project
* Involved in Design review and Code review.
 |
| **Tools and Technologies** |  Python, Snowflake, GIT, Snaplogic |
|  |
| **Project 10** |
| **Project Name** | **SCAN Rate Report** | **Team Size** | 2 |
| **Client Name** | **Pitney Bowes Inc.** | **Duration** | **Aug,2022 – Sep,2022** |
| **Project Description** | Here, business wants to see the scans of different parcels inside the warehouse. We have created a report to show the detail stages of the parcel. |
| **Role & Contribution** | * Writing code to implement the business logic here.
* Involved in Design and Planning.
* Preparation of test cases, test results are other Usage guides which are essential for the project.
 |
| **Tools and Technologies** |  Python, Snowflake, GIT |
|  |
| **Project 10** |
| **Project Name** | **Delivery Guarantee Pipeline** | **Team Size** | 2 |
| **Client Name** | **Pitney Bowes Inc.** | **Duration** | **Apr,2021 – July,2021** |
| **Project Description** | Delivery Guarantee is a scheme launched by PB. As part of this pipeline, we are providing the details parcel journey, where it will be easy to identify the details by using PARCEL\_ID in the UI interface.  |
| **Role & Contribution** | * Writing code to implement the business logic here.
* Optimize the legacy code and write it in a better way that can increase the performance of the code.
* Source is Snowflake, AWS-S3 and target is Snowflake.
* Preparation of test cases, test results are other Usage guides which are essential for the project
* Involved in Design review and Code review.
 |
| **Tools and Technologies** |  Python, Snowflake, GIT, Spark, Hadoop, EMR |
|  |
| **Project 9** |
| **Project Name** | **(In Cloud) Centralized Framework for Job execution and scheduling – Phase-I** | **Team Size** | 2 |
| **Client Name** | **Pitney Bowes Inc.** | **Duration** | **Jan,2022 – Feb,2022** |
| **Project Description** | Created a centralized framework for daily job execution, testing, and scheduling. Here, the user just needs to push the code into GIT location.  |
| **Role & Contribution** | * Initiated the idea as there was no centralized approach.
* Writing Python code to support all the requirements.
* Involved in Design and Planning.
* Preparation of test cases, test results are other Usage guides which are essential for the project.
 |
| **Tools and Technologies** |  Python, Snowflake, GIT, S3 |
|  |
| **Project 8** |
| **Project Name** | **Snowflake Usage Dashboard** | **Team Size** | 2 |
| **Client Name** | **Pitney Bowes Inc.** | **Duration** | **Apr,2021 – Till Present** |
| **Project Description** | Here, we have created a Power-BI dashboard to show the usage of different warehouse in Snowflake. Calculated different KPIs, which is easy for business to see the usage of Snowflake in a organizational level. |
| **Role & Contribution** | * Initiated the idea.
* Writing code to implement the business logic here.
* Source is Snowflake and target is Snowflake.
* Preparation of test cases, test results are other Usage guides which are essential for the project
* Involved in Design review and Code review.
 |
| **Tools and Technologies** |  Python, Snowflake, GIT, Power-BI |
|  |
| **Project 7** |
| **Project Name** | **CSDF – CXP ADF File load and generate comparison sheet & Adhoc tasks** | **Team Size** | 6 |
| **Client Name** | **Cisco Systems.** | **Duration** | **Nov,2020 – Apr-2021** |
| **Project Description** | CXP stands for customer experience portal, where any valuable customer of Cisco can login into it and get to learn about different product details and its features associated with it. |
| **Role & Contribution** | * Writing Python code for copying data from XLSX and CSV files and loaded it into Snowflake tables with SCD-II implementation.
* Generate a comparison sheet with last run’s data and current data.
* Validate the use cases defined by Business and identify the errors.
* Send the comparison sheet over mail to the respective users.
* Preparation of test cases, test results are other Usage guides which are essential for the project.
* Involved in Design review and Code review.
 |
| **Tools and Technologies** |  Python, Snowflake , GIT, Unix-Contab jobs |
|  |
| **Project 6** |
| **Project Name** | **CSDF - CXP DAAS API & Adhoc Tasks** | **Team Size** | 6 |
| **Client Name** | **Cisco Systems.** | **Duration** | **May,2020 – Oct,2020** |
| **Project Description** | CXP stands for customer experience portal, where any valuable customer of Cisco can login into it and get to learn about different product details and its features associated with it. |
| **Role & Contribution** | * Writing Python code for copying data from Snowflake to AWS S3 to Aurora-MySQL for both full and incremental load.
* Writing Python code for copying data from XLSX and CSV files and loaded it into Snowflake with SCD-II implementation.
* Source is Snowflake and target is Aurora-MySQL.
* Preparation of test cases, test results are other Usage guides which are essential for the project
* Involved in Design review and Code review.
 |
| **Tools and Technologies** |  Python, Snowflake, AWS,S3, Aurora-MySQL, GIT, Unix-Contab jobs |
|  |
| **Project 5** |
| **Project Name** | **CSDF - AMP, SNTC, NOS, LICENSE** | **Team Size** | 5 |
| **Client Name** | **Cisco Systems.** | **Duration** | **Jul, 2019- Apr, 2020** |
| **Project Description** | * AMP product provision data for AMP4EP customers which is collected by AMP BU. This data contains the provisioning information including licensing data, start and end dates of licenses for each AMP customer who on boards AMP product.
 |
| **Role & Contribution** | * Development and enhancements ETL processing using Informatica.
* Both source and target tables are in Snowflake database.
* Preparation of test cases, test results are other Usage guides which are essential for the project
* Involved in Design review and Code review
 |
| **Tools and Technologies** |  Snowflake, Informatica, Oracle, GIT |
|  |
| **Project 4** |
| **Project Name** | **GBI Apple Pay** |
| **Client Name** | **Apple Inc** |
| **Project Description** | Working in GBI Apple Pay Team which deals in Measure the activity of Apple Pay usage, transaction, spend, etc.Those transactions activities cannot be captured in APS because of privacy concerns so Partners are submitting reports monthly. Those reports contain several metrics calculated by the partners (transactions, fraud, declines, merchant level transaction, and usage frequency). All contractual partners around the world are in scope. |
| **Role & Contribution** | * Development and enhancements ETL processing using Python where raw source files are pre-processed and then inducted to GBI
* Using GBI Hadoop framework source files are loaded to Hadoop core layer which uses hive tables.
* Using Spark DAGS, computation are performed and then data loaded to Semantic Layer.
* Data from Priamry Hadoop cluster are replicated to Secondary Hadoop cluster.
* Preparation of test cases , test results are other Usage guides which are essential for the project

Involved in Design review and Code review |
| **Tools and Technologies** | Hortonworks Hadoop, hive, spark, python, unix , autosys, GIT , Teradata  |
|  |
| **Project 3** |
| **Project Name** | **Apple Pay Reporting In-store/Online using Tableau solution** | **Team Size** | 3 |
| **Client Name** | **Apple Inc** | **Duration** | **Sep, 2015- Jun, 2018** |
| **Project Description** | This project aims at developing a reporting solution which account details of product sold via Apple pay device both in Store as well as web. An Apple manager wants to know popularity of apple pay device among users. |
| **Role & Contribution** | * Analyzing the requirement details and clarification.
* Development of script and code according to the requirement.
* End to End script and data validation to ensure minimum data errors and ensure data integrity.
* Send sample Data to Users for Sign off from user before deployment.
* End to End testing.
* Automation and Deployment of the signed off script.
* Validate Data after deployment.
* Prepare necessary Documents and Report Details in Pages.
* Monitor the job for the First run.
* Develop work sheets in Tableau for each chart and metric specified.
* Deploy the Tableau work sheets into the Tableau Server.
 |
| **Tools and Technologies** | Teradata, Oracle, Sap HANA, ETL Framework, Autosys Scheduling and Teradata utilities, Tableau Desktop. |
|  |
| **Project 2** |
| **Project Name** | **Apple Store Application Reporting Phase I, II, III** | **Team Size** | 3 |
| **Client Name** | **Apple Inc** | **Duration** | **Sep, 2015 - Jun, 2018** |
| **Project Description** | This project aims at developing a reporting which will help business users to compares popularity among different apple platform like via app or mobile browser or web browser. An Apple manager wants to know popularity of device among customers. This application also aims at providing real time information over product sales by using technology like Oracle and Sap HANA. |
| **Role & Contribution** | * Analyzing the requirement details and clarification.
* Development of script and code according to the requirement.
* End to End script and data validation to ensure minimum data errors and ensure data integrity.
* Send sample Data to Users for Sign off from user before deployment.
* End to End testing.
* Automation and Deployment of the signed off script.
* Validate Data after deployment.
* Prepare necessary Documents and Report Details in Pages.
* Monitor the job for the First run.
 |
| **Tools and Technologies** |  Teradata, Oracle, Sap HANA, ETL Framework, Autosys Scheduling, Github and Teradata utilities |
|  |
| **Project 1** |
| **Project Name** | **SAMS Reporting**  | **Team Size** | 3 |
| **Client Name** | **Apple Inc** | **Duration** | **JAN, 2016 - Jun, 2018** |
| **Project Description** | This project aims at developing an reporting which will help to know all opening and closing time details, special hour details and closure reason etc. for all the offline stores available worldwide. |
| **Role & Contribution** | * Analyzing the requirement details and clarification.
* Development of script and code according to the requirement.
* End to End script and data validation to ensure minimum data errors and ensure data integrity.
* Send sample Data to Users for Sign off from user before deployment.
* End to End testing.
* Automation and Deployment of the signed off script.
* Validate Data after deployment.
* Prepare necessary Documents and Report Details in Pages.
* Monitor the job for the First run.
 |
| **Tools and Technologies** | Teradata, Autosys Scheduling, Github and Teradata utilities. |
|

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Education** | **Stream** | **University** | **Year** | **Percentage** |
| B.Tech | Computer Science and Engineering | Biju Pattnaik University of Technology, Odisha (B.P.U.T) | 2009 - 2013 | 72% |
| Diploma | Information Technology | State counsel of technical education & vocational training (S.C.T.E & V.T) | 2006 - 2009 | 78% |
| 10th | Matriculation | Board of Secondary Education, Odisha | 2006 | 74% |

 |

**Declaration:**

I hereby assure that the above provided information is true to the best of my knowledge and I bear responsibility for its correctness.

Date: 20-05-2022

Place: Bangalore Umesh Chandra Dash