**Name: Jalaja Mandali**

 Mail : jmandali2313@gmail.com

 Ph: 469-871-1034

**SUMMARY**

* 12 Years of professional experience as a Data Engineer, Data Analyst, Business Analysis and Python developer with ETL operations, Data Management and reporting in Mortgage, Banking and financial domains.
* Strong Project coordination including strategic planning, various analysis, forecasting, database management.
* Extensive experience in working with Tableau Desktop 2019.2, Tableau server in various versions with ability to prepare highly efficient and informative dashboards.
* Extensive SAS/SQL programming experience in Design, Development, Implementations, Testing, Support, Maintenance & Upgrade or Promote and Migration of SAS/SQL Applications.
* Exceptional ability in problem solving, data analysis, complex reports generation with macro and data transfer between different environments.
* Extensive programming skills in using Python 2.x/3.x to transform and analyze the insights of
* huge structured and unstructured data sets using Pydata Stack (Pandas, Numpy, Matplotlib).
* Experienced in Apache Airflow a platform to programmatically author, schedule and monitor workflows jobs by creating DAG’s. Experience in Queueing systems like RabbitMQ.
* Worked on infrastructure for optimal extraction, transformation and loading of data from various data sources using AWS and SQL technologies.
* Worked with stakeholders including data, design, product and executive teams to assist with data related technical issues.
* Experience working on AWS cloud services (Ec2 Instances, S3 storage and Snowflake).
* Experience in using Spyder, Jupyter notebook from Anaconda an open-source distribution for Python programming.
* Experience in Data Extraction, Transformation and Loading of data from multiple data sources into target databases, using Azure Databricks, Azure SQL, PostgreSql, SQL Server.
* Excellent working knowledge in UNIX and Linux shell environments using command line utilities.
* Strong experience in Software Development Life Cycle (SDLC) including Requirements, Analysis, Design Specification in Agile methodologies
* Excellent problem-solving skills for delivering useful and compact solutions.
* Ability to independently and effectively organize and manage multiple assignments with excellent analytical and problem-solving skills and ability to work independently and as a part

 of the team.

**TECHNICAL SKILLS**

**SAS Tool** : SAS/BASE, SAS/STAT, SAS/ODS, SAS/MACROS, SAS/REPORTS,

 SAS/EG V 7.1, SAS V 9.4

**Programming Languages**: JCL, MYSQL, Python 2.x/3.x

**Cloud Computing**: Amazon Web Services (AWS), S3, AWS Glue

**Technologies:** Azure, Databricks, Kafka

**IDE’s**: Spyder, Jupyter Notebook 4.1, Tableau Desktop 2019.2

**Operating Systems**: Microsoft Windows 7/8/10, UNIX, IBM Mainframes

**RDBMS**: Teradata V 15.0, MSSM, Oracle, Snowflake

**Microsoft Tools**: Office, Visio, PowerPoint, Excel, Word

**PROFESSIONAL EXPERIENCE**

**Client: UTMB, Galveston, TX**   **Oct 23 – Present**

**Role: Data Engineer**

This project involved in design and build scalable data pipelines that can extract, transform, and load data from cloud and on-premise data sources and for business/operational use cases and data governance.

**Roles & Responsibilities:**

* Maintained data pipelines that can extract, transform and load data into serving layer using Azure Synapse pipelines, Azure Data Factory, SQL for business use cases.
* Experience in developing ETL solutions using Spark SQL in Azure Databricks for data extraction, transformation and aggregation from multiple file formats and data sources for anal and transforming the data to uncover insights into the customer usage patterns.
* Maintained data quality in the development data mart to support Business Intelligence and data architecture to increase the robustness, performance, and scalability of systems.
* Involved in creating streamlined, scalable integration solutions to support BI and analytic environment.
* Worked on Automating and improving data processes and workflows for scalability and efficiency.

**Environment:** AWS Glue, Azure Databricks (Py Spark), PowerBI, SQL Server, Data Visualization, Python, AWS

**Client: Capital One, Plano, TX**   **March 13 – Sep 23**

**Role: Data Analyst / Data Engineer**

This project involves executing account management campaigns. Code is developed using requirements provided by the business intent team that help gather data for marketing campaigns based on several criteria for various credit card products and Auto loan accounts. The datasets were directed towards being used for capturing new customers through direct mail and telemarketing. Responsible for the design, development and administration of transactional and analytical data constructs/structures. Included within those responsibilities are the areas of data access and delivery technologies and working on various scenarios of data quality, data organization, metadata, and data profiling

**Roles & Responsibilities:**

* Supporting the Credit Bureau Monitoring Team for Month end data loads to prepare reports for CRA.
* Design, develop and monitor of transactional and analytical data constructs/structures to perform data analysis, data quality, data organization, metadata, and data profiling
* Extraction of requirement based data and analysis of large data sets from individual auto loan customers
* code development to extract, transform, clean, format and load the data, conduct statistical data analysis and summarize the results in reports
* Generating the reports by classifying the Direct and Indirect disputes from various data resources and reporting to the Channel
* Design and develop python codes to schedule jobs using Cron tabs, schedulers and platform engines to support business analysis
* Using AWS Elastic Map Reduce (EMR) Clusters for reports and dashboards
* Understanding AWS s3 for cloud-based storage
* Identifying, designing and implementing internal process improvements including re-designing infrastructure for greater scalability, optimizing data delivery and automating manual processes.
* Designing and developing dashboards using Tableau for various daily and monthly metrics
* Working in Agile methodology attending daily stand ups and completing tasks in sprints.
* FLOGA – Enterprise Data Transformation.
* The Floga wing is responsible for creating this new data ecosystem for Financial Services by rebuilding the data ecosystem from the ground up, in the cloud, using modern tools and technologies.
* Performing ETL operations by integrating Python with Teradata and SQL server to migrate the existing data ecosystem to AWS Snowflake, a SQL data warehouse and validate end to end outputs.
* Perform data transformations and data validation using Py data Slack such as Anaconda, Pandas, Numpy, Matplotlib packages and other modules in Python
* Scheduled and monitored Python and SQL Jobs in Apache Airflow a workflow
* management platform.
* Gather business requirements and propose solutions to the business issues.
* Documenting the workflow management and observations during analysis and support.
* Organize and involve in team huddles to analyze and solve the issues.
* Response model used by Capital one Auto finance (COAF) for marketing campaigns
* The response models are monitored quarterly under the Model Analytics and Statistical Infrastructure (MASI) team for the past one year.
* As part of the loan originations, COAF will send marketing materials to potential customers, in order to generate applications for auto loans, customers should pass through the number of cuts during the segmentation process, to ensure that they are eligible for receiving marketing materials for both new loans and refinance.
* Pulling data from ADW tables and monthly campaign data using Teradata and SAS EG
* Segmented cuts will include the FICO and Risk model cuts are used to derive the mailable population.
* Generating the reports and graphs based on the active customers and will post the final results in the Model Governance system for the MRO’s approval
* Loyalty Program Execution for One of the Partners- Quarterly Rebate execution.
* Developer for Loyalty Program Quarterly Rebate execution for two consecutive quarters.
* Preparing requirement documents for execution.
* Prepared data flow diagrams for the entire rebate execution process, presented the data flow diagrams to managers to get approvals for execution.
* Extensive research on Metadata such as Daily Files, Monthly files, EDW Tables and SAS Data Mart’s to pull data.
* Provided training and guidance to Dual coders.
* Applied analytics to roughly 8 million Transactions and segmented them based on exclusion criteria.
* A combined amount of $ 15 Million was paid out in rebates for both Consumer and Commercial portfolios after the execution which includes remediating certain rebates to customers from previous quarters with cent percent accuracy.
* Presented Compliance Level Audit’s & created mail file for sending out rebate certificate.
* Performed periodic compliance audits, risk assessments. Prepared reports on Audit Findings.
* ­­Worked on data repositories for compliance with data governance policies and standards.
* Developer for daily and monthly monitoring production jobs using new capstone Teradata tables
* Supporting Marketing Campaigns for consumer cards and Small Business Services.
* Involved in creating dashboards by extracting data from different sources
* Analyze Requirements, system development & Testing for New Automation capabilities
* Continuously looking for areas for improvement in the existing system.
* Performed documentation of the SAS Code and reports by end of the quarter for the better understanding of the program.
* Performed data validation using SAS procedures to ensure data quality and consistency.
* Automated SAS jobs on UNIX environments using cron tab features.

**Environment:** Base SAS, SAS/EG, SQL, Mainframes, Teradata, Microsoft SQL Server, Putty, Python, MS Office V 2016, Excel VBA, Windows 2010, AWS, Snowflake, NotebookOne, Tableau 2019.2, Airflow

**Client: -Experis, Kalamazoo, MI Jun 12 –Feb 13**

**Role: Data Analyst**

This project involved creating, implementing & executing import and export programs using millions of records of data. Performed medium size to complex ad-hoc programming tasks and created Data Management Listings.

**Roles & Responsibilities:**

* Performed data analysis, statistical analysis, and generated reports, listings and graphs by using SAS tools in windows and UNIX environments.
* Extensively used Proc Export to generate excel spreadsheets as per client's requirements from datasets.
* Developed reusable SAS macros to verify data, create listings and graphs. Used output delivery system (ODS) facility to write custom safety and efficacy reports in PDF, RTF and HTML formats.
* Coordinate project start-up activities, including Unix/PMED project area set-up, creation of global programs (e.g., setup.sas, formats.sas, etc), tracking spreadsheets and required documentation.
* Assisted in the production of QC of analysis plans, derived dataset specifications, programming specifications, and other process supporting documents.
* Use Output Delivery System (ODS) facility to write customized reports directing SAS output to PDF and XML and HTML files.
* Provide data in SAS Transport files, other appropriate deliverables, and documentation for regulatory submissions.
* Produce quality customized reports by using PROC REPORT, and also provided descriptive statistics using PROC MEANS, PROC FREQ, and PROC UNIVARIATE, PROC SUMMARY.
* Use arithmetic SAS functions for computation and calculations.
* Excel VBA used as intermediate application to get the excel sheets to support data manipulation

**Environment**: SAS, BASE/SAS, SAS/MACRO, SAS/SQL, SAS/ODS, UNIX, and Windows 2003/XP.

**Client: Delta Soft Solutions India Pvt. Limited June 07 – Dec 09**

**Role: SAS Programmer/Data Analyst**

**Responsibilities:**

* Developed SAS programs for creating intermediate data sets, generating statistical reports and graphs as per statistical analysis plan.
* Rolled up account level information to household level to determine the assets and liabilities of clients.
* Performed data extraction from ORACLE tables, data cleansing and data transformation.
* Transferring and converting data from one platform to another to be used for further analysis. (From Oracle and Excel to SAS).
* Extracted huge volumes of data from legacy systems (millions of records & hundreds of variables).
* Created SAS datasets using Proc Import, created user defined formats using Proc Format and Informats & Sort Data using Proc Sort.
* Performed in-depth quantitative analysis using SAS Macros, SAS/Stat & Base SAS.
* Analyzed pools of corporate/personal loans from various regions to quantify the capital requirement for corresponding level of credit exposure in order to comply with the GAAP Capital Adequacy requirement

**Environment**: SAS, BASE/SAS, SAS/MACRO, SAS/SQL, SAS/ODS, UNIX, and Windows 2003/XP.

**EDUCATION**

Master's of Science: MBA, San Jose, CA**.**

**CERTIFICATIONS**

**AWS Certified Solutions Architect – Associate**

* Certificate Verification Link: <https://www.credly.com/badges/184ec0a5-e3d7-4d24-8311-1c29cfcf29ce/linked_in_profile>

**SAS Certified Base Programmer for SAS 9**

* Certificate Verification Number: KP24BLEC1BRE153Y
* Certificate Verification Link: <https://www.certmetrics.com/SAS/public/verification.aspx>