

**Summary:**

* Overall, 10+ years of professional IT experience in Data Analysis, ETL, Data Mapping using Snowflake, Python, MS office, SQL, Tableau, AWS, SDLC Methodology.
* Worked with data in all 3 environments - DEV, QA, and PROD and evaluated the data using Snowflake, AWS cloud watch and pivoting in MS Excel to analyze the data for documenting final results.
* Knowledge of executing SQL queries in Snowflake, fetching required data from AWS S3 using queries and verifying data from AWS API using Swagger.
* Good understanding of operations related to adding/deleting records in API using POST, PATCH, and DELETE.
* Extensive experience in data extraction, transformation, and loading (ETL) processes using technologies such as SQL, Python, ETL Talend, and Informatica.
* Demonstrated proficiency in version control using Git, enabling efficient collaboration, and tracking of code changes throughout the project lifecycle.
* Familiarity with agile methodologies like Scrum and experience using Jira for project management and task tracking.
* Experienced in creating reports using advanced Tableau/ Power BI/MS Excel.
* Skilled in data integration and data manipulation using SQL, facilitating data analysis, segmentation, and aggregation tasks.
* Experienced with reporting tools, software, and other applications, including SQL Database, Looker, Tableau, and Salesforce dashboards (reports designing tool) and Data warehouse.
* Experience in writing stored procedures, Functions and Triggers.
* Data Mining and Modeling: collected, cleansed, and provided structured and unstructured data modeling and analyses.
* Extensive experience in SQL Server Business Intelligence tools- SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), and SQL Server Analysis Services (SSAS)
* Experience working on Tableau (Desktop, Server), creating various Reports and Dashboards using different functionalities.
* Experience in Tableau Desktop, Power BI for data visualization, Reporting and Analysis; Cross tab, Scatter Plots, Geographic Map, Pie Charts and Bar Charts, and Density Chart.
* Experienced in Agile Methodologies like attending daily Scrums, maintaining User Stories and Burn down Charts, Backlog Grooming and Retrospective
* Designed and implemented a dashboard using SAS BI to present findings and insight for

key contributing factors such as Ads, discounts, enrollment time, processing time in

influencing purchasing decision.

* Created interactive dashboards, visualizations, and reports using BI tools such as Tableau, Power BI, and QlikView to communicate data insights and facilitate data-driven decision-making processes.
* Developed and maintained ETL job scheduling and monitoring procedures to ensure timely execution and availability of data for reporting and analysis.

**Education:**

MS in Data Science, University of North Carolina, Wilmington

Master of Science in Information Technology Women’s Christian College, Chennai, India

**CERTIFICATION**

Python Certified Entry-Level Programmer (PCEP) - Python Institute

**Skills :**

**Databases**: SQL Server, Oracle, MySQL, SQLite

**Analytical tools:** Tableau Desktop, Tableau Server, Power BI, Apache Superset, Pandas, Snowflake, BigQuery, MS Excel, Looker, LookML, QlikView, Power Automate

**Languages**: Python, JAVA, HTML, XML, JSON, CSS, Javascript

**Cloud Services**: Microsoft Azure, Amazon Web Services (AWS)

**Project Life Cycle Methodology:** SDLC, Agile, Scrum

**Version Control:** Git/GitHub, BitBucket

**AWS Services**: S3, Lambda, Redshift

**Testing tools**: SeleniumWebDriver/IDE, Cucumber, pyTest, TestNG

Bug tracking tool: Jira

**Miscellaneous**: PyCharm, Splunk, SourceTree, Salesforce, SAP

**Professional Experience:**

**Becton, Dickinson, San Diego, United States May2023 – Tilldate**

**Data Analyst**

**Responsibilities:**

* + Created SQL queries to validate Data transformation and ETL Loading.
  + Participated in all phases of Data mining, Data cleaning, Data collection, developing models, Validation, Visualization and Performed Gap analysis.
  + Designed and Developed ETL jobs in Developing Parallel as well as Server Jobs using the DataStage tool to load data warehouse and Data Mart.
  + Using SQL runtime engine to schedule nightly processes running the server jobs, monitoring schedules, and validating its components.
  + Assisted in creating SQL database maintenance logs and presenting any issues to the database architects.
  + Migrated data from staging area into sales Data Marts to store reliable data for decision support system using DataStage as ETL tool.
  + Utilized Power BI to create various analytical dashboards that help business users to get quick insight of the data.
  + Provided training and guidance to team members on AWS services and best practices for data analytics, fostering a culture of continuous learning and improvement within the organization.
  + Developed complex calculations, parameters and filters in Tableau to provide dynamic views of data enable users to perform in-depth analysis.
  + Developed Python scripts to automate data cleaning and preprocessing tasks, reducing manual effort by 50%.
  + Utilized Pandas and NumPy to manipulate large datasets, improving data quality and accuracy.
  + Generated reports in Excel using pivot charts and formulas to understand team performance.
  + Gathered and Monitored data of over 200 healthcare customers and generating custom reports in

Salesforce.

* + Collaborated with developers, business analysts, and other stakeholders on data analysis and reporting projects.
  + Used Data Analysis Expressions (DAX) to create measures and calculated fields to analyze data and to create time intelligence.
  + Extracted data for reporting from multiple data sources like SQL Server, SQL Server Analysis, Service, Azure SQL Database, Azure SQL Data Warehouse, Salesforce, etc
  + Developed and maintained ETL processes to extract, transform, and load data from diverse sources including relational databases, flat files, APIs, and web services into data warehouses and analytical systems.
  + Optimized SQL queries for performance and efficiency in AWS Redshift and Athena, reducing query execution times by 40%.
  + Utilized SQL queries, stored procedures, and scripting languages (e.g., Python, R) to perform data manipulation, transformation, and aggregation tasks for ad-hoc analysis and reporting.
  + Wrote JQL queries in JIRA to create filters and dashboards for executive meeting.
  + Worked on Power BI reports using multiple types of visualizations including line charts, doughnut charts, tables, matrix, KPI, scatter plots, box plots, etc.
  + Actively involved in customer meetings to understand the business needs and functionality of the project.
  + Operated under Agile and Scrum frameworks to complete releases and well-organized sprints.
  + Worked on Power BI reports using multiple types of visualizations including line charts, doughnut charts, tables, matrix, KPI, scatter plots, box plots, etc.
  + Proficient in utilizing Microsoft SQL Server Data Quality Services (DQS) for data profiling, cleansing, and matching to ensure data consistency and integrity across enterprise databases.
  + Made Power BI reports using storytelling features such as bookmarks, selection panes, drill through filters, etc.
  + Collaborated with business users to define key performance indicators (KPIs) and metrics, leveraging ETL processes to transform raw data into actionable insights for strategic decision-making.
  + Experience with SQL Server Integration Services (SSIS) for integrating DQS into ETL (Extract, Transform, Load) processes.
  + Developed Tableau and Microsoft Power BI Dashboards to showcase the result of data analysis from the database.
  + Wrote and optimized Triggers, Stored Procedures and Queries in T-SQL.
  + Used ETL in Informatica, Python and SQL to transform and prepare the data for further statistical analysis.
  + Modified existing dashboards as per new requirements in Power BI.
  + Gathered requirements and proposed possible solutions to satisfy business needs and designed/created star, snowflake schema models.
  + Leveraged Python API’s to extract data from various sources, including web scraping, social media API’s and databases to enrich analytical datasets.
  + Analyzed A/B test results using statistical techniques in Python/R to determine statistical significance and extract actionable insights.
  + Built and maintained SQL scripts and complex queries for data analysis and extraction.
  + Performed SQL queries for retrieving data from the database, generating ad-hoc reports, and conducting data validation testing.
  + Actively participated in all the scrum meetings like spring planning, daily standup meeting, sprint review, sprint retrospective, backlog grooming, and release planning.
  + Designed and developed ETL processes using tools such as Informatica PowerCenter, SSIS (SQL Server Integration Services), or Talend to extract data from various sources, transform it according to business rules, and load it into data warehouses or data marts.
  + Conducted performance tuning and optimization of SQL queries, stored procedures, and ETL

# Xifin, Inc, San Diego, United States Nov 2022- April 2023

**Data Analyst**

**Responsibilities:**

* + Created a Business Infrastructure from the ground up for better mobility data processing and analysis.
  + Automated Snowflake ETL process across million rows of data, which reduced manual workload by 50%
  + Created JIRA tickets to file the bugs to track the progress.
  + Wrote SQL queries using Joins, Window Functions, CTE to extract data from multiple tables.
  + Used Pandas libraries and connectors, wrote Python scripts to automate data in Snowflake tables.
  + Used Pandas, NumPy, Matplotlib in Python for developing time series models to predict the sales revenue of the sales department.
  + Collaborated with ETL team to automate data load process and created aggregate tables, indexing, which optimizing report performance by 20%
  + Performed Data Analysis using Excel, SQL, and other tools necessary to query the database and generate reports.
  + Designed and implemented AWS Lambda functions for serverless data processing tasks, improving scalability and reducing operational overhead.
  + Responsible for data identification, collection, exploration, and cleaning for modeling.
  + Involved in creating database solutions, evaluating requirements, preparing design reports and also migrating data from legacy systems to new solutions.
  + Analyzed required demographics, preferences, and buying habits in order to improve the future predictions on the basic needs.
  + Collaborated with cross-functional teams to design and execute A/B tests, analyzing the results using Python to drive product optimization.
  + Participated in cross-functional initiatives to migrate on-premises data infrastructure to AWS cloud, leading to improved scalability, reliability, and cost-effectiveness.
  + Automated reporting processes using Python and SQL reducing report generation time by 75% and improving overall data accessibility.
  + Determine the necessary data required and extract data using SQL queries to solve and understand business problems and provide recommendations.
  + Connected Tableau to SQL to create several operation reports that require live updates.
  + Created new workflows and maintained existing ETL workflows, data management and data query components.
  + Created Tableau scorecards and dashboards using stack bars, bar graphs, scattered plots, geographical maps, Gantt charts using show me functionality.
  + Analyzed website traffic data using Google Analytics to assess the effectiveness of SEO strategies and identify opportunities for improvement.
  + Conducted root cause analysis to investigate business performance issues and recommend corrective actions to improve operational efficiency and profitability.
  + Worked on SQL queries using unions, joins, order by &amp; group by to extract data from data sources.
  + Worked on Data Warehouse processes and Tabular Modeling concepts, with star and snowflake data models.
  + Implemented one time data migration of multi-state level data from SQL server to Snowflake by using

Python.

* + Performed Data cleaning, Data wrangling, manipulation, and visualization.
  + Extracted data from relational databases and performed complex data manipulations.

# United India Insurance Company, India Jan 2019 – Aug 2022

# Senior Data Analyst

**Responsibilities:**

* + Created/Reviewed data flow diagram to illustrate where data originates and how data flows within the Enterprise Data warehouse (EDW).
  + Extracted data from data warehouse server by developing complex SQL statements using stored-procedures and common table expressions (CTEs) to support report building.
  + Built interacting and storytelling dashboards in Tableau workbooks using dashboard actions.
  + Sourced the data from XML files, flat files, SQL Server tables and Oracle tables, business objects.
  + Actively participated in ETL testing of the application by writing test cases, testing scripts for the Unit, System and Performance testing.
  + Involved in creating database objects like tables, views, procedures, triggers, and functions, joins, correlated and non-correlated sub-queries, indexes, normalization techniques using T-SQL to provide definition, structure and to maintain data efficiently.
  + Designed and implemented tables, Created Indexes, Stored Procedures, Functions, Triggers and DTS Packages to transfer data between servers in a SQL Server environment.
  + Involved in Developing SAS macros for data cleaning, reporting and to support routing processing.
  + Worked with the business product owners and Data Architects to understand the new functionality of EMR.
  + Extracted raw data from an Oracle database and AWS Redshift to read it and run statistical analysis.
  + Worked in an agile process having expertise in life cycle of a project from start to end.
  + Analyzed unstructured information to derive key insights.
  + Generated reports for marketing and senior management using complex SQL queries, Pivot tables, Slicers, and VLOOKUP etc.
  + Designed and implemented multiple dashboards using Power BI - Power Pivot & Power Query tools for in-house metrics.
  + Created different visualizations (Stacked bar Chart, Clustered bar Chart, Scatter Chart, Pie Chart, Donut Chart, Line & Clustered Column Chart, Map, Slicer, Time Brush etc.) in Power BI according to the requirements.
  + Designed and Implemented Tableau data extracts to optimize dashboard performance and ensure timely access to updated information.
  + Conducted data profiling and cleansing activities in Tableau Pre Builder to ensure data accuracy and consistency across visualizations.
  + Acquired sounds knowledge of Tableau in the development of dashboards and publishing reports.
  + Used data blending, filters, actions, grouping, live connections in Tableau.
  + Built and maintained SQL scripts and complex queries for data analysis and extraction.

# United India Insurance Company, India Dec 2013 - Dec 2018

# Data Analyst

**Responsibilities:**

* + Generated ad-hoc reports to evaluate specific business requirements.
  + Implemented data cleansing and validation processes to ensure data accuracy, consistency, and quality, resulting in improved data integrity.
  + Used SQL skills including creation of user defined functions, complex stored procedures, query optimization, views and SQL scripts.
  + Collaborate with key stakeholders to produce and support custom-built reports and dashboards using SSRS.
  + Created parameters, hierarchies, and calculated columns for preparing data models in Power BI.
  + Monitored Full/Incremental/Daily Loads and support all scheduled ETL jobs for batch processing.
  + Implemented version control using Git for ETL processes, analytics scripts, dashboard development, and report templates, ensuring collaboration and tracking changes.
  + Created SQL tables with referential integrity and developed queries using SQL, and PL/SQL.
  + Developed interactive dashboards that effectively communicate insights and support data-driven decision-making.
  + Implemented row-level security to restrict data access based on user roles and permissions.
  + Utilized SQL queries to flatten data and R to apply statistical analysis, generating high-quality reports to identify insights and trends.
  + Created **SQL** tables with referential integrity and developed queries using SQL, and PL/SQL.
  + Developed interactive dashboards that effectively communicate insights and support data-driven decision-making.
  + Implemented row-level security to restrict data access based on user roles and permissions.
  + Connected **Tableau** to **SQL** to create several operation reports that require live updates
  + Developed Tableau and Microsoft Power BI Dashboards to showcase the result of data analysis from the database.
  + Wrote and optimized Triggers, Stored Procedures and Queries in T-SQL.
  + Used ETL in Informatica, Python and SQL to transform and prepare the data for further statistical analysis.
  + Modified existing dashboards as per new requirements in Power BI.
  + Gathered requirements and proposed possible solutions to satisfy business needs and designed/created star, snowflake schema models.
  + Leveraged Python API’s to extract data from various sources, including web scraping, social media API’s and databases to enrich analytical datasets.
  + Analyzed A/B test results using statistical techniques in Python/R to determine statistical significance and extract actionable insights.
  + Built and maintained SQL scripts and complex queries for data analysis and extraction.
  + Performed SQL queries for retrieving data from the database, generating ad-hoc reports, and conducting data validation testing.
  + Actively participated in all the scrum meetings like spring planning, daily standup meeting, sprint review, sprint retrospective, backlog grooming, and release planning.
  + Designed and developed ETL processes using tools such as Informatica PowerCenter, SSIS (SQL Server Integration Services), or Talend to extract data from various sources, transform it according to business rules, and load it into data warehouses or data marts.

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