

**CHAND**

**Senior Data Engineer**

**Objective:**

Looking for a challenging position as a Senior BI Developer with the latest and advanced software technologies for professional career growth.

**PROFESSIONAL SUMMARY**

Chand is a BI professional with over 10+ years of Business Data Warehousing experience in Architect, Data Modeling, Design, and Development mainly focusing on Implementing Business Intelligence Architect areas. Chand has experience with BI tools like Power BI, MicroStrategy (Cloud Architecture), Looker, in-memory analytics with QlikView, Tableau and ETL with Informatica, Talend, SSIS, SSAS and Teradata Utilities (BTEQ, Fast Export), Snowflake Cloud Computing, AWS/GCP, Microsoft AZURE, Dev Ops, Python, Unix Shell Scripting and Data Modeling. His hands-on experience spans BI ARCHITECT, Developer, Administrator, and BI Consultant roles at Senior levels involved in Enterprise Architectures. Highly experienced in Project Management (Agile) on end-to-end deliverables.

**Education**

Master of Computer Application from Bharathidasan University, Tiruchirappalli

**Technical Skills**

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| **ETL tools** | Talend, Five Tran, AWS Glue, Airflow, AWS Lambda, SSIS |
| **Databases&**  **Related Technologies** | Snowflake, Oracle, MySQL, PostgreSQL, SQL Server (SQL Management Studio), MongoDB, DynamoDB, Spark, Hadoop, Splunk, Teradata, Presto. |
| **Cloud Technologies** | AWS, Snowflake, Azure, Google Cloud |
| **Operating Systems** | Linux, Unix, Windows server 2012/2008/2007 |
| **Modelling Tools** | Toad, Oracle SQL Data Modeler |
| **Reporting Tools** | Power BI, MicroStrategy, Looker, Tableau, QlikView, Alteryx |
| **Programming Languages** | Oracle SQL, PL/SQL, JAVA, COBOL, JavaScript, Python, Scala. |
| **Application/Web servers** | Oracle web logic 11g/12c server, Tomcat |
| **Networking Tools** | TCP/IP, HTTP/HTTPS, FTP, SFTP, SSL. |
| **Version Control** | Gitlab, TFS (Team Foundation Server), Liquibase, SharePoint, Confluence |
| **Project Management Tools** | Azure DevOps (CI/CD), JIRA, HP ALM |
| **Ticketing tools** | Service Now, JIRA, Rally |

**WORK EXPERIENCE:**

**Client: Edward Jones March 2022 to Present**

**Title: Snowflake Data engineer Project Name: Investments-Services Location: St. Louis**

**Project Description**: The project is to follow Modern Data ELT with cloud technologies (AWS Cloud, Snowflake, Talend) to Migrate and optimize existing ETL processes. Edward Jones will help Customer reach their financial goals in mind – planning for retirement, creating a college savings strategy and perhaps opening their own business. We have the comprehensive suite of investment products and services you need to turn your goals into reality. Partnering with your financial advisor, you can build a diversified portfolio from a broad universe of quality investments, including stocks, bonds, mutual funds, and ETFs, while our insurance and annuity products can help protect your financial future. And if you have specific wealth strategies, trust management or business ownership needs, our convenient financial services offer the professional administration options you are looking for, Edward Jones will help customers reach their financial objectives by advising and directing customers’ investments in the right place at the right time which helps customer to reach/meet their financial goals/needs.

**Roles &Responsibilities:**

* Managing end-to-end data architecture, from designing the technical architecture, and developing the application to finally testing and implementing the proposed solution.
* Being a Data Warehouse Consultant, responsible for building Data Warehouse from scratch.
* Built a good no. of visualizations using Tableau for one of the departments (Billing) with the client.
* Develop worksheets, dashboards, tdx extracts using Tableau.
* Built Self Service Business Intelligence (SSBI) platform for most of the departments within the Organization.
* Develop Executive Dashboards using MicroStrategy, Looker and Power BI Reporting Tools.
* Responsible for BI deliverables and single point of contact for Business from reporting team.
* Good experience with Looker Studio.
* Design BI mockups and work with end users and brainstorm on the final dashboard / dossier layout with the team.
* **Design and Architect Datawarehouse** as per modern data architecture.
* Work closely with key stakeholders to understand use cases, design solutions and lead from inception to production.
* Worked with **offshore team** to coordinate issues & blockers and provide technical solutions.
* Designed an ideal approach for data movement from different sources to HDFS via Apache/Confluent **Kafka**

**Environment:** Power BI, MicroStrategy, Kafka, Looker Studio, Tableau, Snowflake, Talend, JIRA, slack, Confluence, GitLab, Airflow, DBT, Python, Jenkins

**Client:** [**Census Bureau Federal Government,**](https://www.census.gov/) **September 2020 to February2022 Title: Senior BI Engineer / Architect**

**Project Name: COMET Location: Suitland- Maryland**

**Project Description**:

The COMET system’s main activity is to define survey content and metadata (e.g., the questions for paper data collection or attributes used by I CADE to data capture the form) from various instruments—a detailed Business Process Model (BPM) for content entry. We have an application called OMBPDF which processes the data and generates PDFs; we will also have the option to email the reports. All the back-end data will be stored on the CAFÉ database which we will retrieve and show in front-end applications.

**Roles &Responsibilities:**

* + State Street has 4 snowflake accounts DEV, QA, STG and PROD which are hosted on the AWS cloud.
  + Responsible for building MicroStrategy Schema Objects (Attributes, Facts, Transformations, Hierarchies etc...,)
  + Develop KPIs and prepare presentations for Management and Leadership Teams in BI Areas.
  + Design and convert the new and existing reports / dashboards / visualization / scorecards and integrate into various API calls using Java SDK.
  + Experience with **Agile methodology (scrum**), **JIRA** for tracking issues and **Confluence** for documentation, Lucid for designing Data flow diagrams.
  + Worked on optimizing and troubleshooting Snowflake issues in the databases.
  + Worked on **DBT (ELT tool)** connection setup with Snowflake and used DBT cloud to execute ELT pipelines in Snowflake.
  + Created **SQL** queries and **PL/SQL** procedures in Oracle9i to maintain and update the database

**Environment:** Looker, MicroStrategy, Power BI, Tableau, Snowflake, AWS cloud, Snow SQL, Snow pipe, SQL server, SSIS, ServiceNow, JIRA, Slack, Confluence, GitLab

**Client: Indiana State Department of Health (ISDH) January 2018 to August 2020 Location: (Indianapolis/IN)**

**Title: Senior BI Engineer Project Name: SWIMSS**

**Project Description:** Migration of all legacy applications/databases/reports to Java Web based application/Oracle BI tools. Conversion of Oracle to Snowflake warehouse. Repointed all existing reporting tools/data conversion programs to Snowflake for management decision **SWIMSS** Intranet system verify the user logged in through Gateway, if the user is valid then the system will display the menus like **TB**, **STD**, etc... Which user belongs to TB or STD or Multiple (TB and STD etc). Once the user identifies the records, those records go away from the unidentified grid and display in the recently identified Grid with Dwyer condition and updated user information.

**Roles &Responsibilities:**

* Played a key role in migrating **Oracle** data warehouse systems to **Snowflake.**
* Responsible for requirements gathering and converting them into technical specifications.
* Collaborate with Business Users and identify the KPIs and build them in BI domain and schedule the data refresh.
* Develop the custom logical views within reporting tools and build the schema layer to meet the business needs.
* Mentor the team and supervise their work and provide solutions for the design we developed.
* Analyzed and documented existing Oracle systems, Scripts, jobs, and DB objects that are required to migrate to Snowflake.
* **Used COPY** to bulk load the data.
* Worked on **Snow SQL and Snow pipe.**
* Created **SQL** queries and **PL/SQL** procedures in Oracle9i to maintain and update the database.

**Environment:** MicroStrategy, Power BI, Tableau, Snowflake, AWS, Oracle Database, SQL, PL/SQL Developer, UNIX, SQL Loader, SQL Developer, Oracle Forms 10g, Oracle Reports 11g, Oracle SQL Data Modeler, Oracle BI, COBOL.

**Client: State Street January 2015 to December 2017**

**Location: (Boston/MA) Title: BI Engineer**

**Project Name: Credit -MIS Project Description:**

This **Project is Credit-MIS** and shouldered responsibility to maintain and enhance the Risk Management system and Limit Management System, these systems are a systematic approach to minimizing an organization's exposure to risk. A risk management system includes various practices that work in unison to identify, analyze, evaluate, address, and monitor risk. Risk management information is used along with other corporate information, such as feasibility, to arrive at a risk management decision. Transferring risk to another party, lessening the negative effect of risk, and avoiding risk altogether are considered risk management strategies. The main objective of the project is to provide end-to-end test support to get the counterparty data from upstream and should ensure data is transformed as per the requirements and that follows to the down streams like Credit Management Systems and Probability Default –PD, etc. PD should then use the data and calculate the grade and ratings for each of the counterparties, display it on the screens and store it in the database.

**Roles &Responsibilities:**

* + Involved in the analysis, Design, and Development phases of the project.
  + Design and developed numerous no. of Interactive Dashboards using MicroStrategy and Tableau BI Tools.
  + Designed **ER diagram using Erwin**, to set the logical and physical relationships of database.
  + Involved in walkthrough sessions with business users during the Analysis and Design phase.
  + Monitor reporting usage by the departments / users using Enterprise Manager Project Monitoring Tool in MSTR.
  + Under this project I worked in the maintenance, Support and Development of various BPM-based applications.
  + Involved in Troubleshooting **performance** issues and bugs within packages and stored procedures using

**dbms\_output** and **explaining the plan.**

* + Designed & developed logical & physical data models using **Data Warehouse** methodologies, including **Star schema - Star-joined schema**, conformed dimensions data architecture, early/late binding techniques, data modeling, designing & developing ETL applications using Informatica.
  + Worked in resolving on-going maintenance issues and bug fixes, monitoring Informatica Sessions as well as performance tuning of mappings and sessions.
  + Development of client-side program units and sharing them among multiple applications for processing business logic in the database.

**Environment:** MicroStrategy, Tableau**,** Oracle Database 10g/11g, Windows 7, Toad, XML, SQL, PLSQL, UNIX Scripting, Putty.

**Client:** [**Hospital Corporation of America,**](https://hcahealthcare.com/) **January 2014 to December 2014 Location: (Nashville – Tennessee)**

**Title: Qlik View Developer Project Name:**

**Project Description:**

The Master File system will manage all master files addressing both Charge Master and all other Master Files. This application will assist the users to view, insert, update, and delete (soft delete) Master Files (Master File View and Master File Maintenance. These will be fully integrated with S3 and the active directory.

**Roles &Responsibilities:**

* + - Responsible for gathering business requirements and technical specifications from the users.
    - Involved in designing, developing, testing, publishing, maintaining, and supporting QlikView & Qlik Sense applications.
    - Building QVDs, QVWs, QVFs using source systems like Oracle, SQL Server, Excel files.
    - Involved in the requirement analysis and identifying sources and targets.
    - Created QlikView & QlikSense dashboards using different objects like List Boxes, Multi Boxes, Pie charts, Line charts, Funnel charts, Scatter charts, Bar charts, Combo charts, Straight tables, Pivot tables, Buttons, Containers.
    - Created Pixel Perfect reports, Excel reports, PowerPoint reports and Word Reports using NPrinting tool.
    - Created tasks and scheduled the jobs in NPPrinting server.
    - Involved in performance tuning of QlikView & Qlik Sense apps for faster data reloads and efficient response times.
    - Involved in analyzing the data and defining Key Performance Indicators (KPI).
    - Created tasks and set dependencies using QlikView Publisher.
    - Assisted in installation and configuration of QlikView and Qlik Sense servers.
    - Involved in optimizing the existing data models and load scripts to improve the performance.
    - Simplifying complex expressions in the dashboards and improving the front end.
    - Implemented section access to make the application available to the desired users.
    - Developed Proof of Concepts (POC) for various projects using QlikView and Qlik Sense.
    - Assisted users with demo sessions in using QlikView & Qlik Sense
    - converted QlikView applications to Qlik Sense.
    - Created detailed technical specification, business requirements and unit test report documents.
    - Responsible for validating the developed applications against the predefined design standards.
    - Involved in creating test case scenarios for end users to test the applications.

**Environment: Qlik view,** Oracle Database 10g/11g, Windows 7, Toad, XML, SQL, PLSQL, Putty.

