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## Sagar Kulkarni

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### EXPERIENCE SUMMARY

- Mr. Sagar Kulkarni brings of working experience (16+ years of experience with Teradata Proprietary Product suits and 16+ years of overall industry experience) solving challenging customer situations using hands on Teradata's proprietary tools and utilities stack.
- Accomplished technical professional with extensive experience designing innovative applications to increase productivity and support defined expertise business objectives.
- Record of achievement in Enterprise application development, project management, and team leadership producing dramatically improved application and system infrastructures. In-depth knowledge of existing application development and business modeling methodologies, with the ability to apply them for marked strategic benefit to the organization.
- Possess technical expertise in aspects of all phases of Agile and Software Development Life Cycle
- Teradata EDW/IDW (Enterprise/Integrated Data warehouse) Solution Architecture - expertise with 3NF and dimensional logical and physical data model - product suit solutions and implementations including:  
In Depth Domain Knowledge on Industry Data Model(s) and associated materials (collectively, the "iDM"). The Industry Data Model like –  
MFGDM (Manufacturing Data Model), TLDM (Telecom Logical Data Model), HCM (Human Capital data Model), RLDM (Retail Logical Data Model)
- Experience in Analytics to use Python.
- Teradata DI integration - proven expertise with Data integration on Various platform using various utilities and tools.
- Experience in Big data solution and integration with Teradata RDBMS.
- Teradata Analytics and SQL Performance tuning - experience with tuning analytical queries and reporting with performance improvements.



## KEY SKILLS & TECHNOLOGIES

### SKILLS

- Application Design, Architecture and Tuning (15+ years)
- EDW/IDW(Enterprise/Integrated Data warehouse)Solution Architecture. (12 Years)
- Expert in architecting and implementing complex Master Data problems across a wide variety of functional areas like CDI (Customer Data Integration - B2B and B2C), RDM (Reference Data Management) (10 Years)
- Strong Experience in Teradata Vantage to use Teradata with Python. (5 Years)
- Teradata Analytics and Performance tuning (15 Years)
- Strong logic building and problem-solving skills (Analytic skills) (10+ years)
- Business Analyst (8+ years)
- Oracle Applications (Oracle Warehouse Builder, BPEL, Oracle Application Express, OBIEE) Development Knowledge (6 years)
- Data modeling (10 years)
- Data Warehousing and Semantic Design (10+ years)
- Practiced in Software Development Life Cycle (SDLC) (15 years)
- Active in Interview and training Panel for the company (6 years)
- Project management skills, People Management, Processes (7+ years)

### TECHNOLOGIES

- Solution Design using Teradata Industry Model (iDM, iAS)
- Teradata FastLoad, Teradata Multiload, Teradata BTEQ, Teradata FastExport
- Lookup Reference Data Management for EDW implementations
- Teradata Clients/Tools -Teradata SQLA, TPT, Viewpoint, Administrator, Visual Explain, Stats/Index Wizard, TTU Load/Unload Utilities and Tools for (Teradata Versions 12,13.10,14.00, 14.10, 15.00, 15.10, 16.00,16.20)
- Enterprise Reference Data Management solutions using Teradata MDM
- ETL Tools - Oracle Warehouse Builder, BPEL, Ab-Initio (GDE Version 1.16), Oracle Application Express, Informatica 8.1.1.
- Languages- PL/SQL, Visual Basic, VB Macro [Excel]
- Data Modelling Tool – ERWIN, Power Designer
- Reporting Tool – Crystal Reports, APEX, Power-BI, Tableau.
- UNIX OS – UNIX, Sun Solaris, HP/UX,
- RDBMS – Oracle 8i/9i, IBM DB2, Teradata 12/13.10/14/15.00
- Scheduler – Control-M, Crontab, Schedule IN
- HP Quality Centre (HPQC), Version Control Client – SVN, VSS ,GITHIB,GitLab
- Google Big Query ( 1 Year)
- ADLS Azure Data Lake Storage ( 1 year)
- MS SQL Server (5 Years)
- AWS Aurora Postgres SQL (1 Year)
- Snowflake Data Warehousing workshop
- Snowflake Key Concepts
- Snowflake Eco-systems
- Snowflake Container Hierarchy



## CLIENT ENGAGEMENTS

<b>Role</b>	:	<b>Technical Architect / Tech Lead</b>
Customer	:	T-Mobile
Project Name	:	HR Analytics Dev/Ops
Project Type	:	Design & Architecture
Industry	:	Telecom
Period	:	April 2020 to till Date
Tools Involved	:	Teradata 16.20, ADLS Azure Data Lake Storage, Unix, Control-M,MS SQL Server

### Responsibilities:

- Responsible for providing solutions for Teradata Architecture for key objectives for the Human Resources Department Analytics.
- Headed a team of 30+ developers and support personnel and provided and successfully implemented the entire solution for the HRA Security Automation where Business groups would be identified that needed certain access to the BI Reporting dashboards developed on Tableau and SSRS and similar BI tools.
- Created roadmap for the HRA Platform and provided standards, best practices and guidance for the entire platform team and the business in order to achieve the necessary stable and reliable most importantly a secured environment for HRA application.
- Designed mechanisms to encrypt and decrypt data being sensitive HRA metrics and provided a mechanism for deriving decryption logic using Voltage Keys.
- Designed and architected Teradata databases, tables and semantic layer for BI reporting tools from best performance perspective.
- As a lead, provided necessary guidance to onsite and offshore teams and managed Scrum calls, User stories, tasks to provide the accurate reporting for the upper management.
- Worked on highly sensitive T-Mobile and Sprint Merger from HRA perspective and created environment adaptable for merger initiatives and SOX compliance.

<b>Role</b>	:	<b>Technical Architect / Tech Lead</b>
Customer	:	T-Mobile
Project Name	:	SDDM (Solution Design & Data Modeling)
Project Type	:	Design & Architecture
Industry	:	Telecom
Period	:	April 2017 to April 2020
Tools Involved	:	Teradata 16.20, ADLS Azure Data Lake Storage, Erwin, SAP Power Designer, Teradata Query Grid, AWS Postgres

### Responsibilities:

- Design and develop Teradata proprietary management models for client's IT infrastructure. Build Teradata 3NF and dimensional logical and physical model to support business requirements and faster user-based queries. Provide best model with high query performance, optimized space CPU and memory utilization, Load balancing with concurrent job execution and parallel processing.
- Analyzing technological infrastructure and designing and developing the appropriate Extract, Transform and Load (ETL) Processes.



- Work closely with Enterprise architects, represent the domain and provide inputs around architecture, application, and data capabilities
- Ensure data solutions are built for performance, fault tolerance and security with reusable patterns
- Design and develop the ETL environment, processes, programs, and scripts to acquire data from source systems and apply the data to appropriate structures within the Teradata RDBMS and various other systems.
- Leverage knowledge of Teradata best practices to achieve production delivery and complete project reporting and reviews
- Perform source data profiling, Data Modeling using industry standard communications logical data model methodology, create ETL specifications, API design and semantic layer design to support business reporting
- Utilize proprietary Teradata tools and technology, including Teradata parallel transporter, Teradata mapping manager, Teradata Oleload and Teradata warehouse minor to analyze customer's data warehousing platform to determining their shortcomings and prepare roadmap for Teradata enterprise Datawarehouse that provides platform to perform efficient data analytics.

**Role** : **ETL Architect / Tech Lead**  
**Customer** : Procter & Gamble  
**Project Name** : Procter & Gamble, 1CP  
**Project Type** : ETL Development  
**Industry** : Retail  
**Period** : Sept 2014 to April-2017  
**Tools Involved** : Erwin, Teradata Clients/Tools, TPT, Viewpoint, SVN, UNIX, HPQC, ScheduleI

**Responsibilities:**

- Strong Project management Activities like people management, processes and operations.
- Design best approach to meet the requirement.
- Give revive on requirement list, also help to refine the requirement.
- Assigning work to team and reviewing their codes and helping them to improve
- Creating design document according to requirements collected.
- Provide good estimates for development, unit testing, SIT testing and complete deployment of project.
- Discuss with project manager about last minute changes are possible or not.
- Development of Unix scripts for data transformation, extraction and loading
- Develop the test document which covers all the requirement changes.
- Managing & performing complete SIT/UAT process.
- Creating deployment instruction for production and helping the support team to do so.
- Providing knowledge transfer to support team for the new codes developed.
- Help SIT team to understand the component and the complete testing.
- Help new team members to understand the project and to make them productive.
- Do complete regression testing if any new change in incorporated.
- Provide Daily updates to clients about the status of development.
- Helping clients to create test files for their new requirements.



- Completely take responsibility for smooth deployment of releases.

**Role** : **Sr. Business Analyst/ SQL Developer**  
**Customer** : M&T Bank  
**Project Name** : EDW Forklift and EDW Integrated  
**Project Type** : Semantic Development  
**Industry** : Banking  
**Period** : Mar 2013 to Sept-2014  
**Tools Involved** : Erwin, Teradata Clients/Tools, Stored Procedures, Viewpoint, UNIX, HPQC, Tivoli, Informatica

**Responsibilities:**

- Involved in developing complex Stored Procedures and views
- Writing Teradata BTEQ scripts to implement the business logic
- Provide design for CDC implementation for real time data solutions
- Involved in Creating UNIX Scripts for triggering the Stored Procedures and Macro
- Performance tuning the long running queries
- Work on complex queries to map the data as per the requirements.
- Developed technical design documents (LLD) based on the functional requirements
- Involved in troubleshoot, debug, fix and test production support issues
- Implemented AGILE methodology for our formal delivery
- Preparing Test Cases and performing Unit Testing
- Involved in the code reviews prepared by the teams

**Role** : **Sr. ETL Developer**  
**Client** : J P Morgan Chase  
**Project Name:** EDW Forklift and EDW Integrated  
**Period** : Dec 2011 – Mar 2013  
**Industry** : Retail  
**Project Type** : Development  
**Tools Involved** : Ab Initio v 1.13, UNIX (IBM AIX), Teradata 13.0, DB2 Teradata Query Grid, Teradata FastLoad, Teradata Multiload, Teradata BTEQ

**Responsibilities:**

- Develop Fast export script to extract data from DB2 DataMart's
- Developed Shell scripts to validate the data loaded into Teradata with existing DB2 data
- Development for history and current data load
- Conducting knowledge sessions for project groups



**Role** : **Business Analyst/Senior ETL (Ab-Intio) Developer**  
**Customer** : J P Morgan Chase  
**Project Name** : EDW Forklift and EDW Integrated  
**Project Type** : Forklift and Migration  
**Industry** : Banking  
**Period** : Dec 2010 to Dec-2011  
**Tools Involved** : Ab Initio v 1.13, UNIX (IBM AIX), Teradata 13.0, DB2

**Responsibilities:**

- Development of Ab-Intio Graphs, with extensive use of Teradata Utilities like Multiload, FastLoad, and Fast Export in UNIX for Transformations from Load area to Staging area.
- Development of shell scripts to execute the Teradata ETL scripts
- Interacting with clients on daily basis
- Ensuring high quality features go into production for each build
- Defect logging and defect tracking
- Mentoring junior team members / Internal team meetings
- Attending daily & weekly Team meeting
- Testing the Teradata ETL scripts and preparation of unit test plan and results
- Working on various phases of the JPMC project which include Development, Unit Testing and System Integration Testing and catering to the ad-hoc requirements
- Reporting to Client/Manager/Team Lead & UAT/ITE co-ordination
- Code Implementation, Job Scheduling
- Post Implementation Support, Incorporate change request and regression testing

**Role** : **Senior ETL Developer**  
**Client** : PEPSICO  
**Industry** : Retail  
**Period** : Jul 2010 – Nov-2010 (5 Months)  
**Project Name** : SDW Platform (Migration from DB2 to Teradata)  
**Project Type** : Development and Implementation.  
**Tools Involved:** Teradata 12, UNIX, Informatica Power Center 8.6

**Responsibilities:**

- Development of ETL scripts with extensive use of Teradata Utilities like BTEQ, Multiload, FastLoad, and Fast Export in UNIX for Transformations from Load area
- Development of shell scripts to execute the Teradata ETL scripts
- Writing dynamic shell scripts to automate the execution of Informatica load processing as well as ETL load processing
- Working on various phases of the PepsiCo project which include Development, Unit Testing and System Integration Testing and catering to the ad-hoc requirements in each of these phases
- Query review and optimizing for reports.
- Created ad-hoc Query/reports with various complex features
- Performance tuning, SQL query enhancements, code enhancements to achieve



## performance targets

**Role** : Tech Lead ETL Team/Business Analyst  
**Client** : Barclay Technology Centre India (BTCI)  
**Period** : Jul 2009 – May-2010  
**Project Name** : Merlin CAAS and SBI Implementation  
**Project Type** : Development and Implementation.  
**Tools Involved**: Ab Initio (GDE Version 1.14), Teradata, UNIX

### Responsibilities:

- Direct interaction with Business in validating/ creating/ estimating business requirements
- Fully involved in developing new functionalities which enriched the application
- Preparation of weekly status Report, Critical Period Health Check Report and interact with business on status calls meetings
- Impact analysis for the interface changes
- Extensively used Ab Initio (GDE 1.14.41) and EME for ETL processing
- Worked on dynamic DMLs and XFRs wherever there is required
- Good in creating the Job Wrapper Scripts for every deployed graph
- Created different test cases and wrote the test plan using Test Director 8.0
- Extensively used EME for Version Control System and for Code Promotion

**Role** : Senior ETL Developer/Onsite Coordinator  
**Client** : British Telecom, UK  
**Period** : Nov 2008 – Jun 2009  
**Project Name** : Group Business Intelligence System / Group Data Warehouse ASG  
**Project Type** : Data Warehouse & Reporting  
**Tools Involved** : OBIEE, PL/SQL (Oracle 10g), OWB, Informatica & DAC, UNIX Shell  
 Oracle Application Express, ODI, Ab-Initio, HP Quality Center

### Responsibilities:

- Carrying out Deployment Process by co-coordinating with third party vendors. This includes migration of new warehouse or change request. It includes OBI RPD merge & deployment, OBI Web cat Merge & Deployment, ETL deployment, ETL scheduling, Data Migration etc.
- Monitoring Daily ETL's that are running
- Handling and maintaining job net, run and monitor Informatica workflows, data quality assurance, Informatica administration
- To work independently on tasks
- Understanding of DB functionality, handling of tables and run requirements, handling PL/SQL scripts, SQL, user administration, monitor Oracle sessions, maintain table statistics and table compression
- Ability to perform root cause analysis
- To communicate with onsite team & client-side (application manager).
- Support & Maintenance (Rotational Shifts)





- Testing of applications prior to roll outs

**Role** : **Senior Engineer & Onsite-Coordinator.**  
**Client** : British Telecom, UK  
**Period** : Sept 2007 – Nov 2008 (14 Months)  
**Project Name** : BT Aspire  
**Project Type** : DBMS and Reporting.  
**Tools Involved** : Oracle SQL, PL/SQL, Forms & Reports 6i, UNIX Shell Scripts

**Responsible for:**

- Doing impact analysis and estimates
- Writing Program Specification's for PL/SQL
- Writing Unit Test Plans and Unit Test Log's
- Carrying out Deployment Process
- Integration Testing
- Code and program spec's reviews
- Review Test Plans
- Knowledge Transfer to team and documentation

**Role** : **Senior Developer and transitioning the project from Onshore (UK) to Offshore (Onsite for 6 Months)**  
**Client** : British telecom, UK  
**Period** : Oct 2006 – Aug-2007  
**Project Name** : BT Telecom Project (iOTA)  
**Project Type** : DBMS  
**Tools Involved** : UNIX, SQL Loader, PL/SQL (Packages, Procedures, Functions, Triggers), Oracle Application Express, Oracle Discoverer Reports.

**Responsibilities:**

- Transition of the onshore role to offshore
- Involve in each stage of Transition and Understanding the use cases
- Doing impact analysis and estimates
- Writing Program Specification's for PL/SQL
- Generate reports via Oracle Application Express
- Generate reports via Discoverer for Line of Business
- Development for PL/SQL, Oracle Application express and Discoverer
- Writing Unit Test Plans and Unit Test Log's
- Carrying out Deployment Process.
- Integration Testing and Code and program spec's reviews
- Knowledge Transfer to team and documentation





**Role** : **Software Developer**  
**Client** : Hewlett Packard, U.S.  
**Period** : Feb 2004 – Aug 2006  
**Project Name** : Nexus Baan ERP Project  
**Project Type** : BaaN ERP Maintainance & Enhancement  
**Tools Involved** : Baan ERP Tools, Oracle 9i SQL-PL/SQL, UNIX, Shell Scripting, Crystal Reports, Webmethods, ASP, Visual Basic, Optio.

**Responsible for:**

- Handling Faults under Level 3 Support
- Handling “Change Request”
- Implementing enhancements
- Developing BaaN Sessions and Reports in BaaN ERP System
- Writing Unit Test Plans
- Create user support guide
- Understanding the use cases and design High level documents
- Doing impact analysis and estimates
- Writing Program Specification’s for PL/SQL
- Development for PL/SQL code
- Code and program spec’s reviews
- Writing Unit Test Plans
- Carrying out & recording Unit Test Log’s and UAT co-ordination
- Code Implementation, Job Scheduling
- Developing Finance Reports in Crystal Reports



## ACCOLADES

- Employee of the Year Award (2012)
- Star of the Quarter – T-Mobile (Q3-2020)
- Employee of the Quarter Award (2014 -Q3,2018-Q4,2021-Q2)
- Several Client Recognition Certificates (2016,2021).
- Teradata Tech Lead Program certified Professional (2014).

## WORK HISTORY

- Narvee Tech Inc. (Mar-2022 – Present)
- Teradata Operations, (May-2010 – Mar-2022)
- Steria India Ltd. (Formerly Xansa Technologies) – (Oct-2006 – May-2010)
- Patni Computer Systems (Feb-2004 – Aug-2006)

## CERTIFICATIONS

- Microsoft Azure Certified Solution Architect.
- Microsoft Certified -Azure Fundamentals
- Vantage (Teradata 16.10) Certified Developer
- Vantage (Teradata 16.10) Certified Associate
- Teradata 14 Certified Professional.
- Teradata 12 Certified Professional
- Teradata 12 Certified Technical Specialist
- Teradata 12 Certified SQL Specialist.

## EDUCATION

- Masters in Computer Science 2005, First Class from Pune University, India.