

Sachin Koli

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Objective:

Seeking a good career as an innovative and resourceful software developer in a dynamic and progressive company using my experience in data warehousing and database designing.

Professional Summary:

- Data Warehouse Specialist with over 10 years' of experience in Data Warehousing and Business Intelligence.
- Extensive experience in Relational and Dimensional Data modeling for creating Logical and Physical Design of Database and ER Diagrams using data modeling tools like ERWIN.
- Constructing architecture for the project. Designing Logical and Physical Data Model for the project.
- Rich Experience in Analysis, Design, Development, Testing and Implementation of Data Warehouse.
- Expertise in Ab-Initio, Teradata, Data stage, and other data warehouse related technologies.
- Ability to lead large and complex EDW project portfolios from concept to fully operational status.
- Excellent analytical, inter-personal and communication skills with a strong technical background.

Academics and Certifications:

- Bachelor's Degree in Computer Science And Engineering - Shivaji University Kolhapur, India
- Teradata Certification
 - NR0-011 NCR Teradata Basics V2R5
 - NR0-013 NCR Teradata SQL V2R5
- Oracle Certification
 - 1Z0-007 Introduction to Oracle9i: SQL

Technical Skills:

Operating Systems:	Windows XP/7, Suse 9, CentOS 6.9, IBM AIX 6.0
Languages:	Unix Shell Scripting, SQL, VBA
Databases:	Teradata 14, Greenplum, Oracle 12c
ETL Tools:	DataStage 7.5.2, Informatica 8.6, Ab-Initio 3.1.5
Data Modeling Tools:	Erwin 3.5.2
Tools & Utilities:	Teradata Tools and Utilities, Scheduling Tools(TWS, Control-M, Dollar-U), GitLab
Domain Knowledge:	Data Warehousing, Banking, Telecom, Retail, Networking

Employment History:

Organization	Designation	From	To	Duration
Mahindra Satyam	Software Developer - Sub Band S2	07-Jan-2008	23-Nov-2010	2 Years 10 Months
Cognizant Technology Solutions India	Senior Associate - Projects	29-Nov-2010	13-Feb-2018	7 Years 03 Months
Sears Holdings India	Technologists	15-Feb-2018	Till Date	09 Months

Professional Experience:

1.	Project	Targeted Interactions (TI) Data Mart
	Client	Sears Holdings Corporation, United States (Retail)
	Role	Technologists, Technical Specialist
	Organization	Sears Holdings India, Pune
	Environment (with skill versions)	Languages: SQL, BTEQ/FastLoad/MultiLoad/FastExport Scripts, Unix shell scripts Database: Teradata 14 ETL Tool: Teradata Tools and Utilities, Unix Shell Scripts Tools: Control-M, Putty, WinSCP, GitLab, JIRA, ServiceNow

Project Details:

Sears, is an American chain of department stores. Sears was the largest retailer in the United States until October 1989, when Walmart surpassed the record. As of 2017, Sears is the 23rd largest retailer in the United States.

The Targeted Interactions (TI) group is responsible for issuing offers and messages to customers through a variety of channels. This is to encourage them to shop more at stores or online. TI Mart is built to provide real-time data of all offers across all channels and Business Units (BU) and to provide visualization tools on top of DataMart in the form of reports. (Including charts, graphs or other visual tools to help guide business decisions of each Stakeholder). TI Mart provides stakeholders timely actionable reports to increase revenue.

Contribution:

- Coordinated with Business/Business analysts for requirement gathering, Formulated KPIs, Designed data model, Implemented DataMart using Teradata and Unix, Productionized scripts using GitLab.
- Identified various facts and dimensions from the source system and business requirements to be used for the data warehouse. Created dimensional logical model.
- Implemented Slowly changing dimension scheme (Type II). Implemented standard naming conventions for the fact and dimension entities and attributes of logical and physical model.
- Reviewed the logical model with Business users, ETL Team, DBA's and testing team to provide information about the data model and business requirements.
- Automated adhoc activities using Unix shell scripts, Teradata scripts, python scripts and Control-M job scheduling tool.
- Enhanced full refresh activity by automating manual activities, automating validation script execution, generating report for the full refresh outcomes; reducing time and resource efforts.

2.	Project	STC EDW CLDM7/CLDM12
	Client	Saudi Telecom Company, Saudi Arabia (Telecom)
	Role	Onsite IT Delivery Lead, Team Lead
	Organization	Cognizant Technology Solutions Pvt Ltd, Pune
	Environment (with skill versions)	Languages: SQL, BTEQ/FastLoad/MultiLoad/FastExport Scripts, Unix shell scripts, Ab-Initio Scripts Database: Teradata 14, Greenplum ETL Tool: Datastage 7.5, Ab-Initio 3.1.5, Unix Shell Scripts, Teradata Scripts Tools: Putty, Winscp, JIRA, Notepad++

Project Details:

STC is a Saudi Arabia-based telecommunications company that offers landline, mobile, internet services and Computer network.

Involved in 2 major releases - CLDM Upgrade, BSST. CLDM data warehouse is built to provide real-time data of all of its customers, accounts, subscriptions, offers, products etc. across all channels and Business Units (BU). Reports were built on top of CLDM data mart for visualization of required data sets specific to Stakeholder's needs. Provides stakeholders timely actionable reports to increase revenue.

Contribution:

- In CLDM improvement, created additional dimensions by Snow-Flaking existing dimensions in data warehouse. E.g. Demographic Information of customer, Account Status, Subscription Status etc.
- In BSST Project [B2C, B2B], to accommodate additional key in most of the dimension tables; developed utility to incorporate necessary changes automatically in Ab-Initio objects e.g. in pset, plan, mp, dml etc.
- Worked extensively on **Ab Initio frameworks like Acquire>It, Conduct>It and Express>It.**
- Coordinated with Business to understand the business needs behind requirements, to understand KPIs.
- Created mapping specifications for source to target mappings and for transformation logic.
- Articulated best strategies while implementing solution using Teradata and Ab-Initio. Implemented optimized solution using Ab-Initio, Teradata, Unix.
- **Created standards and guidelines** for the team to achieve simple, flexible and robust system that can be managed and scaled effortlessly.
- **Managed process innovation** to achieve delivery timelines and to optimize existing processes.
- Imparting domain and technical knowledge to the new entrants and also fellow team members.

3.	Project	EMDW (Emerging Markets Data Warehouse), One Africa Program
	Client	Barclays, United Kingdom (Banking)
	Role	Team Lead, Consultant
	Organization	Cognizant Technology Solutions Pvt Ltd, Pune
	Environment (with skill versions)	Languages: SQL, BTEQ/FastLoad/MultiLoad/FastExport Scripts, Unix shell scripts, VBA, Java. Database: Teradata 12, Greenplum ETL Tool: UNIX, Teradata Tools and Utilities Tools: Tivoli Job Scheduling Console, Putty, WinSCP, Excel, ServiceNow

Project Details:

Barclays plc is a British multinational investment bank and financial services company headquartered in London. It has operations in over 40 countries. Apart from investment banking, Barclays is organized into four core businesses: personal banking, corporate banking, wealth management, and investment management.

Emerging Markets is a business group that solely focus on emerging markets in Africa and Asia. EMDW is datawarehouse built for emerging market group. There were multiple initiatives in EM Group. Building staging layers using core banking data (FLEX), ATM & POS data (SPARROW) and online transaction data was first step. Later multiple projects were kicked off citing to build DataMart on top of this data catering business needs of stakeholders.

One-Africa: Reorganization of emerging market data happened to unify all data across all African countries to build single source of truth. This allowed to have spanning same DataMart for other countries easily without any effort. This also allowed standardization and enhancement of common reports rapidly by discussing with stakeholders from each country and making changes in the One-Africa mart.

Contribution:

- Constructing architecture for the project. Designed Logical and Physical Data Model for the project. Coaching development team, testing team, stakeholder on the design, implementation and usage.
- **Lead multiple projects at the same time.** Provided automated tools to the team to minimize their efforts. Provided validation check tools to the team to verify coding standards. Provided TWS automation

tools to build schedules automatically for the project. Multiple process and technology innovations were created to minimize time and resource efforts.

- Was involved in all full life cycle (End to End) processes of the project.
- Developed low level design Documents and ETL Mapping sheet as per the business requirement.
- Developed ETL code with Ab Initio and Teradata for cleansing, transforming, extracting, integrating and loading the data.
- **Developed automation tools** for ETL code development, code migration and code deployments in MS Excel, Unix Shell Scripts; to carry out predefined tasks minimizing time and resource requirement.
 1. TWS Object Creation tool
 2. Unix deployment tools
- Performed Volumetric Analysis and Space Requirement for different Subject areas.
- Implemented Archiving and Purging Solutions to active datawarehouse. Used Greenplum database to store historical data as it is cost-efficient data as compared to Teradata.
- Participated in detailed analysis and comparison of existing data and performance tuning.
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4.	Project	CISCO-EDW2B
	Client	CISCO, United States (Networking)
	Role	Developer
	Organization	Mahindra Satyam, Hyderabad
	Environment (with skill versions)	Languages: Teradata SQL Database: Teradata V2R5, Oracle 9i Tools: Informatica 8.6, DollarU, HP Quality Centre, Kintana

Project Details:

Cisco Systems, Inc. is an American multinational technology conglomerate headquartered in San Jose, California, in the center of Silicon Valley that develops, manufactures and sells networking hardware, telecommunications equipment and other high-technology services and products.

The EDW2B project was initiated to build the Next Generation Enterprise Data Warehouse on Teradata platform to provide a complete infrastructure and foundation for Cisco's Data Warehouse. The new initiative caters for a single source of integrated collection of data which provides integrated view of Cisco's business, customers, products, sales etc.

Contribution:

- Developed Informatica Mappings and Workflows for migration of data from Oracle to Teradata.
- Designed ETL Mapping sheet as per the business requirement.
- Extensively worked on Informatica Mappings and Workflows using components such as Source Qualifier, Expression, Normalizer, Lookup, Filter and Sequence Generator.
- Worked extensively on Teradata tools and utilities such as SQL, BTEQ, FastLoad, Mload, FastExport and TPump.

5.	Project	TR2.2, TR2.1 EDW Data-In
	Client	Telstra Corporation, Australia (Telecom)
	Role	Developer
	Organization	Mahindra Satyam, Bangalore
	Environment (with skill versions)	Languages: SQL, Java, BTEQ/FastLoad/MultiLoad/FastExport Scripts, Perl script, Unix shell scripts. Database: Teradata V2R5 Tools: DataStage 7.5, Control-M, Mercury Quality Centre

Project Details:

Telstra Corporation Ltd is an Australian telecommunications and media company that provides local and long distance telephonic and mobile services along with dialup, wireless, DSL and cable internet access in Australia.

TR EDW is Enterprise Data Warehouse which contains information about Telstra's Retail Customers e.g. customer and product registration information, demographics and segmentation information, call records (Billed and Unbilled). Telstra EDW Data-In takes care of ETL part i.e. Extraction, Transformation & Loading of the files sent by CC&B of Telstra in form the Triplets. These files are transformed and loaded into Teradata datawarehouse by jobs developed in DataStage and Teradata.

Contribution:

- **Finding the best strategy** while developing ETL code using Teradata utilities and DataStage to meet business requirements and optimizing performance of the system.
 - Used DataStage as an ETL tool to extract data from sources systems and aggregate the data and load into the Teradata database.
 - Developed Unix Shell Scripts, Perl Scripts for extracting and cleansing data from flat files; Developed DataStage Jobs for extracting, transforming, integrating data; Developed Teradata Utility Scripts to load the data into Teradata Database.
 - Debugging issues in DataStage Jobs using DataStage director; Carrying out unit testing for the developed modules; Validating data against IASS and ETL Sheets.
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Personal Details:

Address: D303, Anjani Gaatha, Dehu Alandi Road, Chikhali, Pune, India. Pin Code- 411062

Date of Birth: 24th Apr 1986 | Gender: Male | Marital Status: Married | Nationality: Indian