

NAVNEET PANDEY

Project Management | Data Engineering

A strategic professional with consistent record of championing organization values & vision; targeting assignments in Project Management in Data Engineering Role preferably in Bengaluru, Hyderabad & Mumbai.

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Profile Summary

- Result-driven professional with demonstrated record of achievement with nearly **10 years** of experience in IT , in directing large engagements including **Project Management, People Management and Software Development Lifecycle Management**
- Wealth of expertise entails:** Project Planning & Execution of small and large scale projects in all data tracks - Data Warehousing, Data Quality, Master Data Management, ETL Developments, Data Analytics and BI Reporting
- Impressive success in steering **improvement initiatives** with focus on streamlining operations; highly skilled in delivering outstanding business growth outcomes in **highly competitive markets**
- Well- versed with **Dimensional/Relational Data Modeling** to design and develop Star/Snowflake schema, Fact and Dimension tables, physical and logical data models using CA Erwin
- Possess strong **technical acumen** with the capability of understanding the customer or partner IT landscape, identifying opportunities and overcoming any technical obstacles through **process improvement opportunities**
- Supported end-to-end **Product/ Project Planning & Implementation** from scope management, to activity sequencing, effort & cost estimation, **Risk Analysis to Quality Management** in line with the guidelines
- Defined **business strategies** and organizational policies to enable the strategic coordination of multiple major projects and initiatives to improve **efficiency and effectiveness of projects**
- Participated in the **ETL Development Lifecycle** from requirement analysis, documentation (functional specifications, technical design), and resolved ETL data mapping issues
- Proficient in managing complete **Software Development Lifecycle (SDLC)** right from requirement gathering, documentation (functional specifications, technical design), and testing, warranty support, problem resolution, production support of BI, DWH and Data Integration Projects
- Versatile, **high-energy professional** with capability of managing teams, and achieving business growth objectives with excellent communication, people management, and problem-solving skills

Core Competencies

Strategic Planning & Leadership	Project Planning & Execution	DataStage Administration
Project Management	Risk Assessment & Mitigation	Client Relationship Management
Stakeholder Management	Reporting & Documentation	Software Development Life Cycle

Technical Skills

ETL Development:	Informatica Power Center IBM DataStage
Databases:	Oracle 12c. IBM DB2, Google SQL, SQL Server
Data Quality / Profiling:	Informatica Data Quality
Data Modeling:	CA Erwin – Star Schema, Snowflake schema, ER Modeling
Reporting:	Power BI, Tableau, Google PLX & Big Query Data Studio on GCP
ETL QA Automation:	Informatica DVO, ETL + Unix hybrid approach
Reference Data Mgmt.:	IBM Infosphere MDM & RDM hub
Programming Skills:	Unix shell scripting, Python
Cloud:	Microsoft Azure, Snowflake Cloud Data Platform
Data Science:	Python, Machine Learning
CRM Tools:	Salesforce (Developer Beginner Module)
Google Cloud Platforms:	Big Query, Big Query Data Studio, Google PLX

Academic Details & Certifications

2021: M.Tech. Data Science Engineering from BITS, Pilani

2013: Bachelor of Engineering Electrical & Electronics from CSVTU

- Microsoft AZ-900 Microsoft Azure Fundamentals
- Microsoft DA-100 Analyzing Data with Microsoft Power BI
- Pursuing PMP Certification Course

Areas of Exposure

- **Data Warehousing** – Designed, architecture, developed, tested and provided warranty support of Data Integration / Data Warehousing solution using Cloud & on premise ETL Tools
- **BI Lifecycle** – Steered efforts towards each phase of BI Development Life Cycle, from business analysis to DW/ODS design and implementation
- **SQL** – Proficient in writing and using SQL queries, Stored Procedures, Triggers, Materialized Views, Indexes, Partitioning, Exceptional handling, and Tuning
- **Data Quality** – Proven skills in providing Data Quality solution, Scheduling, Design, and implementation of DQ Reporting using Informatica Data Quality, Google Cloud Platforms: Big Query, Data Studio, Google PLX
- **Master Data Management** – Sound knowledge of MDM concepts and techniques and implementation of MDM using ANSI SQL on Google Cloud
- **Unix Shell Scripting** – Exposure of Unix shell scripting for file validation and Testing in Data Warehouse development and testing projects
- **Python & Machine Learning** – Highly skilled in Data Engineering, Data Analysis, Data Visualization and Machine Learning Models

Awards & Rewards

Appreciated with following awards at Deloitte Consulting:

- Received Applause Award in : Jan'22, Feb'20, Jan'19, Jan'18
- Appreciated with Spot Awards in Jun'19
- Received Applause Award Jan'18
- Won Project Special Award Mar'18

Received Spot Award in Dec'16 at 3 Generations

Work Experience

Deloitte Consulting - Senior Consultant - Technology

Period: Mar'17 – Till Date

Current Projects:

Project 1 - Product Manager

Role: Product Manager - ETL, RDM, Machine Learning Solution

Team Size: 5

Domain: Healthcare

Tools/Technology: Informatica, IBM DataStage, Oracle, DB2, IBMS RDM, Unix Scripting, Python Programming, Machine Learning, Erwin, Power BI

Responsibilities:

- Leading a team size of 13 resources (Both the projects) overall and encouraging them to work effectively towards organizational goals achievement
- Implementation of a Health Interactive infrastructure platform and expansions and creating a comprehensive healthcare solution
- Developing and maintaining the ETL, M/L, RDM and Data Model to use across states
- Performing Analysis of the data elements, source systems, data flows, dependencies, and relationships to propose & create the conceptual, physical, and logical data models for the product
- Creating Power BI dashboards and organizing advanced DAX calculations and SSAS cubes
- Designing & development of ETL base code solution including DataStage ETL jobs, source validation Unix shell scripts, tables for new modules
- Designing and re-design of RDM solution for new modules and maintenance requirements
- Showcasing excellence towards Automation design for the IBM RDM UI import and export utilities
- Testing machine learning techniques and algorithms, such as k-NN, Naive Bayes, SVM and Decision Forests

Project 2 - Lead ETL Developer & RDM SME

Role: Lead ETL & RDM

Team Size: 9

Domain: Healthcare

Tools/Technology: DataStage, IBM RDM Hub, DB2, Unix Scripting, Splunk, Erwin

Responsibilities:

- Led Maintenance of ER and dimensional model as per product recommendations and state requirements
- Enhanced enterprise-wide solution for reference data management for use by ODS, data warehouse, web services and data stewards as SME of the IBM RDM Hub
- Led data profiling to perform health check of source data for data quality and business rules formulation and get acceptance from business stakeholders
- Successfully implemented DQ & business rules in the ETL process at various layers using DataStage
- Impressive success in ETL Development with IBM DataStage and IBM DB2 to build Operational Data Store for various healthcare modules like claims, provider, member, beneficiary
- Implemented metadata management & data governance processes and practices using IBM Information Governance Catalog
- Contributed efforts towards Dashboarding & Reporting of ETL loads, rejects and business KPIs using Splunk reporting tool
- Played a vital role as a Release Manager for all prod and non-prod deployments

Highlights:

- **Measured and monitored progress** at clearly defined points in the process to ensure that the workstream deliverables were delivered on time, within budget, and meet or exceeds expectations
- Adhered to all **quality standards** and processes for customer acquisition, opportunities and retention
- Conducted **Project Milestone reviews**, Customer Reviews, Performance Metrics analysis, Competency development, mentoring and Career planning for the team
- Formulated operating budgets and managing overall operations for executing **IT projects within cost & time norms**
- Monitored **project execution as per scheduled deadlines** for various tasks and took necessary steps to ensure completion within time, cost and effort parameters
- Conducted **requirement study, design, development, testing, integration, troubleshooting and debugging** of the software
- Assisted team in **requirement gathering**, finalized data download specification, provided **technical training** to the team members, prepared time/ effort estimates, and delivered presentation to higher management
- Developed and maintained **credible relationships with clients** at appropriate levels through reliable, proactive service delivery and the skillful application of specialist knowledge
- Formulated **project baselines, monitoring & controlling projects** with respect to cost, resource deployment, time overruns and quality compliance to ensure satisfactory execution of projects
- Set out standards for various **operational areas**; implementing **quality systems & procedures** to facilitate a high-quality customer experience, while adhering to the SLAs

3 Generations - Software Engineer

Period: Jun'13 to Feb'17

Refer Annexure for Projects Undertaken:

Personal Details

Date of Birth: 30th July 1991

Languages Known: English & Hindi

Annexure

Project 3 - Module Lead Data Quality

Duration: June 2018 to Feb 2019

Role: Lead Data Quality Solutions Developer, MDM Hybrid Developer

Team Size: DQ: 4, MDM: 4

Project: Sales

Client: Google LLC

Tools/Technology: Google Cloud Platform, Big Query, Google PLX, Salesforce CRM, Python, Lucid Charts for Data Modeling

Responsibilities: Module Lead - Data Quality

- Designed DQ dashboard wireframes to client
- Developed the ER / data model for the DQ Reporting requirements using Lucid charts
- Coordinated with business stakeholders & sourcing team to identify attributes for business rules and formulated business requirements to data quality Rules
- Lead for Implementation of all DQ Dimensions – completeness, uniqueness and timeliness
- Created workflows to automate the bad data reporting using ANSI SQL and Google PLX workflow scheduler on Google Cloud Platform
- Engaged in Python programming for source data analysis.

MDM Hybrid Developer

- Assisted MDM Reltio team in the MDM Process by writing MDM queries in ANSI SQL for unhandled scenarios in Reltio on Google Big Query
- Used various fuzzy match algorithms like Levenstein, Longest string match etc. to validate match process and identify potential match positives for MDM using Python and SQL in Big Query
- Created Data Lineage reporting system & built 14-page dashboard on Business KPIs in Big Query Data Studio for data visualization which was key to business stakeholders for decision making

Project 4 - ETL Developer & Test Automation Lead

Duration: Feb 2017 to May 2018

Role: ETL Developer

Team Size: 18

ETL Testing Automation: 3

Project: Healthcare

Tools/Technology: Informatica Power Center 10x/9.6.1, Informatica Data Quality, Informatica SVO, Oracle, SQL, IBM AIX Linux

Responsibilities:

- Worked as ETL Developer to move data from legacy source systems to the new strategic provider system core database - an EWS i.e. Enterprise-Wide System or data warehouse.
- Lead the automation of ETL testing of Informatica developed jobs. Designed the automation solution using Informatica Power Center, DVO & Unix to build an automated regression testing suite to reduce the SIT and UAT efforts.
- Configuration of Data Quality rules in IDQ i.e. Informatica Data Quality for implementation of data profiling, data cleansing and data quality rules on source data.
- Built various Unix shell scripts for source file sanity checks and automation if source file validation SIT test cases.
- Data Masking of source files in Informatica Power Center and outsourcing of masked data to nonproduction environments.

Project 5 - ETL Developer & Support

Duration: Feb 2015 to Jan 2017

Role: ETL Developer

Team Size: 12

Project: Sales Data warehouse

Client: Indian Product based MNC

Tools/Technology: Informatica Power Center, Oracle SQL, Red hat Linux, Erwin

Responsibilities:

- Developed logical & physical dimensional model for data warehouse, ER model for landing & staging area using CA Erwin.
- Created mappings for fact tables and dimension tables using SCD type 1, 2 and 3
- Successfully worked on numerous Designer stages including CFF Stage for Cobol files, transformer, DB2 stage, filter, sort, funnel, aggregator, CDC, join, lookup & row generator
- Created Sequences for batch loading process
- Demonstrated excellence towards performance tuning of DataStage jobs & batch sequences and created source to target mapping sheet based on BRDs, unit test cases for the jobs developed
- Monitored production jobs, supported debugging & analysis and RCA of failures

Project 6 - ETL Developer

Duration: June 2013 to Jan 2015

Role: ETL Developer

Team Size: 5

Project: Sales ODS

Client: Indian Product based MNC

Tools/Technology: Informatica Power Center 9.5, Oracle 11g, SQL Developer

This project built an Operational Data Store to share information consistently & accurately across applications to meet key business objectives. ODS has enabled the company to create a single consolidated real-time data hub through which customer & service information flows.

Responsibilities:

- Analyzed the heterogeneous sources, targets, data mapping, transformation and loading the into relational targets using Informatica Power Center
- **Designer:** Created Informatica mappings using various transformations like source qualifier, Filter, router, expression, aggregator, joiner, union, lookup, update strategy, sequence generator, sorter and normalizer transformations
- **Workflow Manager:** Worked on worklets, various workflow tasks like decision task, even raise and event wait tasks, timer, assignment task, command task, control task and email task for batch process design and monitoring system
- Prepared LLDs i.e. low-level design documents, production support playbooks etc
- Monitored production jobs in Control M tool, enhancements & bug fixes