A person wearing a hat

Description automatically generated with medium confidence SENIOR TECHNICAL LEAD AT THOUGHTFOCUS

+917505261646

Mukul Varshney

mukul111@live.com



<https://www.linkedin.com/in/mkvarshney>

Bengaluru, India

# Summary

Senior Technical Lead with 11+ years of experience in architecting, designing, developing and Business Intelligence and Data Warehousing solutions across multiple domains like Telecom, Health Care, Retail, Investment Banking, Financial services and Manufacturing industries. I am leading the team of data engineers, modelers and visualization developers, and drive delivery of development streams.

Motivated by Data and Results/Trends, constant communication with client/stakeholders, sharing values with internal and external teams, organized, problem solving, critical thinking, and troubleshooting are few of the qualities I own.

* Specialized in Big Data and OLAP environments.
* Experienced in DBMS/RDBMS implementation in on-premises and cloud-based infrastructure like **Snowflake, Oracle**, SQL Server, MySQL and Mongo DB.
* In-depth knowledge of **SQL** (ANSI-SQL, T-SQL, and **PLSQL**).
* Mastered in visualization development tools like Tableau (**Generic & Level-of-Detail functions**), Power BI (**DAX & Power Query**), OBIEE and SAP BO.
* Advanced knowledge of **ETL/ELT** tools like Informatica, Oracle Data Integrator (ODI) and custom SQL or PLSQL framework.
* Experienced in **Big Data** processing frameworks and tools (Hive, Spark, **Python**).

• Worked on multiple cloud platforms (**Microsoft Azure, AWS**, Oracle Cloud, Google Cloud etc.).

• Experienced the Waterfall model and Agile Methodologies in software development and comfortable in either of these environments.

# Experience

## Senior Technical Lead

ThoughtFocus

Feb 2019 - Present (3 years 6 months +)

Leading the Data Analytics team full of Data Engineers and Visualization Developers to build analytical reports/dashboards in Tableau & Power BI by consuming source datasets from SAP, Oracle, Snowflake, REST APIs and flat files in cloud and on-premises environments.

* Lead the DWH/BI team in multiple projects and performed simultaneously in various areas of the development.
* Proficiently gathering requirements working with business owners and articulating/translating them with design, development, and testing team. Contributing in BRD, FSD, Use Cases and modelling techniques.
* Accomplished at designing dashboards and data summaries for technical and nontechnical audiences and facilitating implementation of business strategies and missions.
* Designed data structures facilitating feature extraction and business insights to streamline analytic workflow.
* Building analytical models to perform descriptive and predictive analysis on the source datasets.
* Creating ETL pipelines in PL/SQL, Python and Azure Data Factory.
* Developed DAX Measures, Parameterized Queries for generating Tabular reports, Paginated reports, Sub reports using Global variables, Expressions, and Functions, Sorting the data, Dashboard, Scorecards, Drill - down and Drill-through reports.
* Defining Data sources and Subtotals for the reports to create datasets to perform reporting and included interactive drill down reports, report models and dashboard reports.
* Designing Tableau/Power BI solutions by configuring the data security and assigning the licenses and sharing the reports and dashboards to the different user groups in the organization.
* Automated tasks for batch jobs, profiling, logging, unit testing and deployments.

**Skills Used:** Extract-Transform-Load (ETL) · Data Modelling · SQL · PLSQL · Microsoft Power BI · Snowflake · Oracle · SSIS · Python (Programming Language) · Tableau · Requirement Analysis · DAX · Power Query · ADF · DW/BI concept

 **Implementation Lead**

Majorel

Oct 2017 - Dec 2018 (1 year 3 months)

* Responsible for the end-to-end POC and project deliveries by cordial interactions with the implementation and product team.
* Improvised the CUBE analytics based BI Module of the Product.
* Successfully delivered the Employee Engagement Solution holding complex analytical Dashboards and Timeline components within a short span of 10 months.
* Exposed spontaneously to the big data technologies like Apache Spark, Hadoop HDFS, NoSQL DBs (MongoDB), Drill, In-Memory DBs, Python and R Driven Sentiment & Intent Analytics and data modelling.

## Technology Consultant II

HP

Mar 2013 - Sep 2017 (4 years 7 months)

Technical/Solution Lead with team of Oracle Data Warehousing developers specialized in various domains like Telecom, Banking and HealthCare.

* Business Analytics over Team Foundation Server.
* Data Modelling, ETL Workflow designing and BI Dashboard/Reports development using Microsoft Power BI for the high- and low-level decision making under the HLS product development.
* Azure Setup including Virtual Networking, Network Security Group, DNS Zone configuration, VM Assignments/Adjustments etc.
* Followed Agile Methodologies in Product development for Innovative Heath Care software (US Govt.) included various modules for Health Management System (HMS).
* Migration of the existing banking applications and Implantation of Operational Data Store (ODS) and Enterprise Data Warehouse (EDW), further followed by analysing day-to-day business performance for productive banking operations.
* Fault Management System (OSS) is to maintain the huge telecom network from a central location by monitoring internal network activities and speedy operations using ultimate tracking functions.

 **Software Engineer (Oracle Developer)** JNET Technologies Pt. Ltd.

Oct 2011 - Jan 2013 (1 year 4 months)

* Designed, implemented, and supported the DSS Data Warehouse for Bharat Sanchar Nigam Limited (BSNL) to analyse and generate reports for the profits and loss, churn rates and New Connections.
* Team is described by the resources taken for the project.

Mediation Tools (HP Internet Usage Manager)

ETL Resource (Informatica Power Center 8.6.1) SDE Resource (HP-UX v11.31)

Business Intelligence Tool (IBM Cognos BI Tool)

MAS (HP Campaign Management Tool)

* Worked as a Database Developer (SDE), responsible to co-operate with all the resources used in the project and developed the data extracting solutions, Informatica workflow jobs, Cognos Cubes jobs and Campaign configurations with HP MAS.
* Supported the project for more than a year after and stabilized the environment by automation using UNIX Shell and Perl scripting.

## Software Developer (PL/SQL)

NVISH Solutions

May 2011 - Oct 2011 (6 months)

* Implemented, administered and subsequently tuned number of databases, which involved application-oriented Website and

CMS (admin) portal for managing general accounts along with web-based reporting system, automated email, backup facilities.

* Tuned the above systems resulting in 20% overall performance increase.
* Managed general accounts along with web-based reporting, automated email and backup facilities.

# Education

## Janardan Rai Nagar Rajasthan Vidyapeeth University

Master's degree, Computer Programming, Specific Applications

2013 - 2016

## Vinayaka Mission's Research Foundation - University

Bachelor of Computer Applications (BCA), Computer Science

2011 - 2013

## R. S. Inter College

10th, 12th, Physics, Chemistry, Math (PCM)

2004 – 2008

# Licenses & Certifications

** Microsoft Certified: Azure Fundamentals** – Microsoft (Issued Apr 2022)

Logo for Oracle **Oracle Database SQL Certified Expert** – Oracle (Issued Aug 2014)

Logo for Oracle **Oracle Certified Database Administrator (OCA)** – Oracle (Issued Nov 2013)

# Skills

Business Intelligence • Data Warehousing • SQL • Extract, Transform, Load (ETL) • Microsoft Power BI • Snowflake • Python (Programming Language) • Oracle • MongoDB • MySQL • NoSQL • Tableau

# Honours & Awards

**Superstar** - Hewlett Packard

Apr 2015

## Technology Champion Award - ThoughtFocus

Aug 2021