

# Aiswarya Manoharan

Data Management Specialist | Senior Data Engineer |  
Data Strategy & Governance Enthusiast

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## PROFILE

A Data Management and Engineering Specialist with 8+ years of experience delivering enterprise-scale solutions across FMCG, Oil & Gas, and Banking sectors. Adept at implementing enterprise data governance frameworks, driving data strategy and architecture initiatives, and enabling data-driven decision-making. Experienced in managing data platforms, master data programs, data quality initiatives, and cloud modernization projects (Azure, Databricks, Spark). Skilled in stakeholder engagement, data maturity models, and operationalizing data assets to accelerate business value. Currently preparing for the Certified Data Management Professional (CDMP) certification offered by DAMA International to further strengthen expertise in data governance and management.

### Professional Summary:

- Enterprise Data Governance & Data Quality Frameworks
- Data Strategy, Architecture, and Roadmaps
- Master Data Management (MDM) & Metadata Management
- On Prem Data Platforms: **SSIS, SSAS, Trifacta, Knime**
- Cloud Data Platforms: **Azure, Databricks, Azure Data Factory, DBT**
- Data Analytics and Visualization: **Power BI, Tableau**
- Big Data Technologies: **Spark, Delta Lake, Hive**
- Programming & Scripting: **SQL, Scala**
- Stakeholder Collaboration & Data-Driven Decision Support
- Data Maturity Assessment Models
- AI/ML Integrations with Data Platforms
- Having good knowledge in Big Data framework.
- Ability to work with time sense as a team player or individual
- A Cohesive team worker with excellent communication, analytical and writing skills.

## WORK EXPERIENCE

May 2022 – Current	Feb 2020 – Current	Jul 2019 – Nov 2019	Oct 2018 – Jun 2019	Aug 2016 – Oct 2018
<b>Senior Data Specialist</b>	<b>Analytics &amp; Insights Lead</b>	<b>Data Lead</b>	<b>Sr. Software Engineer</b>	<b>Software Engineer</b>
Petrofac UAE	Procter & Gamble Dubai, UAE	Ernst & Young Sohar, Oman	Infosys Limited Chennai, IN	Virtusa Polaris Chennai, IN

## PROJECTS

<b>Project 1</b>	Developing Data Lake on Azure
Technologies:	Azure, Databricks, Azure Data Factory, DBT, Azure Batch, Event Hub, Kafka, Spark, Log Analytics, Power BI, SharePoint, Scala, SQL
Client:	<b>Petrofac (May 2022– till date)</b>

### Project Summary

- **Project Modularization:** Developed a modular architecture to streamline project components and improve maintainability.
- **Data Pipelines Implementation:** Lead design and implementation of data pipelines and lakehouse architectures using Azure, Databricks, and Spark.

- Supported **enterprise data governance** by establishing data quality metrics, lineage tracking, and standardization models.
- Developed modular frameworks for data ingestion, curation, and analytics to accelerate project delivery.
- **Data Modeling:** Engaged with key business and technology stakeholders to align data models with business strategies
- **Data Mart and BI Reporting:** Delivered Power BI reporting layers ensuring seamless enterprise reporting and decision-making.

<b>Project 2</b>	<b>Size of Prize</b>
Technologies:	SSAS, Power BI, Tableau, Knime
Client:	<b>Procter &amp; Gamble (Feb 2020 – till date)</b>

#### Project Summary

Size of prize dashboard helps the market leaders of the company to understand the company's overall potential for success within the industry.

- Responsible for data extraction, analysis and dashboard creation. Handled real time distributor connect application and been a key user for certain regions.
- Supports in coming up with realistic use-cases that strengthen the business growth.
- Collaborated cross-functionally to define data KPIs, governance needs, and enterprise analytics frameworks.
- Played a key role in enabling real-time distributor connection apps across key regions.
- Proposed use-cases strengthening data maturity and organizational growth.

<b>Project 3</b>	<b>CFO report</b>
Technologies:	SSIS, SSAS, Power BI
Client:	<b>Vale Oman Pelletizing Company</b>
Company & period	<b>Ernst &amp; Young (July 2019 – December 2019)</b>

#### Project Summary

Consume finance data of the company to determine various factors like revenue, reported revenue, Volume, headcount, attrition details, e.t.c.

- CFO dashboards intended users are mainly cxo's of company and presidential members (unit heads etc.), it is owned by finance team.
- As all the finance metrics were not available at a single place, Users were not able to analyze company's growth and performance easily comparing all the parameters. To solve this issue came up with CFO dashboard concept. We BI team has built it combining all the finance metrics from various sources and released it in PowerBI versions.
- Have created separate dashboards for unit level access and service line level access of the organization.
- Distribution of companies report: Analyze the distribution of companies by several variables, to help in the search of potential clients for business.
- Data: This report includes all companies of Clinical Image, with active cadastral situation, of the state.
- Sales report: Analyze the sales by different variables to improve the production of the product.
- HR point record Analysis: Analyze employee's point records for daily and monthly viewing

<b>Project 4</b>	<b>Infosys your Data, your Decisions (yDyD)</b>
Technologies:	Hadoop, Hive, MS PDW, SQL Server, SSIS, Power BI
Company & Period:	<b>Infosys (Nov 2018 – June 2019)</b>

#### Project Summary

yDyD is the portal hosting a series of widgets and dashboards that will help unlock the value of information relevant to you. The objective is to provide a single system interface enabling one-point access helping the users to access and manage their data effectively. In the current scenario, no system caters to all the informational needs related to a user at the same platform. The users must go through several applications, pages and processes to get access to their data, which reduces efficiency and understandability of the system. yDyD will be the single point where the user can see all the metrics information related to his role. Created integrated data lakes from multi-mart environments (Sales, Finance, HR) enhancing

organizational insights. Developed governance models around Hadoop ecosystems and orchestrated enterprise metadata standards.

**Responsibilities:**

- Have expert technical knowledge in Big Data technologies – mainly in Spark, HDFS and Hive.
- Have good understanding on Hadoop storage & YARN processing.
- Deep understanding and implementations of various methods to load HIVE tables from HDFS and Local File System.
- RDBMS Tables have been imported/exported using SQOOP.
- Better Understanding of Hadoop Ecosystem and its major components.

<b>Project 5</b>	<b>Cash Analysis and Projection</b>
Technologies:	SSIS, SSAS (Tabular Model), SQL Server, Power BI
Client:	<b>BMO, Canada</b>
Company & Period	<b>Virtusa Polaris (Aug 2017 – Oct 2018)</b>

**Project Summary**

Cash Analysis and Projection is a reporting application/tool utilized by CMC Finance Treasury. The objective is to produce daily cash and liquidity analysis reports as well as cash projection for BMO Capital Markets Corporation. CAP is used for liquidity and funding management.

**Roles & Responsibilities:**

- Requirement Analysis - Analysis of the requirement specifications provided by the Client/Business Analyst.
- Interaction with the business analyst and with the end user to enhance the user friendliness of the modules.
- Development - Created SQL queries, Stored Procedure, Views, and Functions in SQL Server.
- Testing the applications and websites on different web browsers to ensure a standard user experience for the clients across all platforms.
- Web Application Maintenance - Worked on Several Modules like Change Request Mail and some features to Reporting Screen.

## EDUCATION

<b>Bachelor of Technology, IT</b>	
Anna University Chennai, Tamil Nadu	Graduated, May 2015 74%

## PERSONAL DETAILS

Father's Name:	Mr. S. Manoharan	Marital Status:	Married
Birthday:	November 13, 1993	Nationality:	India
Gender:	Female	Languages:	English, Tamil, Malayalam

<b>Address:</b>	Silicon Oasis, Dubai
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I declare that the information and the facts stated here in above are true and correct to the best of my knowledge and belief

Place: Dubai, UAE  
Date:

Signature  
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(Aiswarya M)