

Ashok Kumar Padmanabhan

Techno Assistant Manager - Data Analytics, Data Management

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Profile Summary

14+ yrs. IT Service Industry played 6 roles:

- ▲ **Data Analytics & Engineering, Dashboard Visualization, Data Modelling,**
- ▲ **Trainer, Project Management, Application Development**

➤ Capability:

- ⇒ To leverage “Design Thinking” approach in Project / Program Management
- ⇒ Business Model Canvas: Trainer for Data Modeling, SQL Server & Talend TOS (ETL)
- ⇒ Entrepreneurial Innovation, Digital Transformation, adoption of Data engineering
- ⇒ Strong client relationship-building

➤ Project Management – 3 Yrs.

- Data Science – Converting Unstructured/Semi Structured Data >> Structured JSON
 - Agile Scrum Methodology – KRA - delivered 190 Bank Feeds:
 - Part 1 - Web Scraping > Parsing> Data Mapping > Kettle ETL > Data QA > SQL DB
 - Part 2 - SQL DB > Mark Logic (No SQL)
 - Stakeholder Collaboration for requirements gathering – JIRA (EPIC, Stories)
 - Ownership, Planning on Priority basis & allocate work to resources
 - Well organized Time & Resource Management - 32 FTE spread across 5 Team
 - Database design, Reverse Engineering & Investigate Technical Issues and resolve
 - Identified Risk and took Measure to Mitigate.
 - Delivered comprehensive BI solutions – Power BI
 - Automate/orchestrate various templatable solutions to ensure continuous delivery
- SDP – POC Project: Extract Data > Enrich > Transform > Deliver

➤ Power BI – 4+ Yrs Self Rating: 4/5

Dashboards/Reports	Power Query	Power Pivot	Advance DAX
1. VP: A/C Profitable	■ Append & Merge Queries	■ Star Schema	■ Calculate, KeepFilter
2. Error Status	■ Query Parameter	■ Field Parameter	■ Filter, CrossFilter
3. EDA	■ Transform Tables (DAX)	■ Mark as Date	■ Context Transition
4. GloBo	■ Grouping, Pivot, UnPivot	■ Normalization	■ TopN, RankX, Values
5. Top/Bottom N Utilization	■ Add, Split, Merge Columns	■ UserRelationship	■ All, AllSelected
	■ Conditional Columns	■ Cardinality	■ Related, LookupValue
	■ References	■ Filter Context	■ UserPrincipName (RLS)
	■ Row Context	■ Context Transition	

➤ Data Engineer / Talend TOS (ETL) & T-SQL Developer – 6+ Yrs Self Rating: 3.7/5

- Architecting - “Data Synchronization” & “Data Migration” - SCD Type1
- Schema designing data modelling – Snowflake Schema, Many to Many, One to One
- Designing, build & implementing Data Pipelines

#	Dev. Project	Job Name	Source	Staging	Target	Operation
1.	Data Sync	RefDB	AD, CSV, Excel, RestAPI	ETL_People_Staging	RefDB	Insert & Update
		Remedy	RefDB		Remedy DB	Insert & Update
2.	SF2- Sync	SF2RefDB	Active Director	ETL_People	RefDB	Insert & Update
3.	Foundation Data	FDN_Building, FDN_Dept,	RemedyDB	FDN_Floor, SEC_Account	RefDB	Insert & Update
4.	Asset/CMDB	ARMIS SCCM	Excel	ETL_YDayARMIS ETL_YDaySCCM	RefDB	Insert & Update
5.	Transaction Data	Incident Service Request Change Request	Remedy	ServiceNow	ProdBackup	Insert & Update
6.	SF2 - API	Stored Procedures consumed by JAVA API & Trigger (Foundation Tables) – Audit Table				

#	Maintenance Project	Description
7.	FRS & PT Cartoon	Enhance & Maintain of MS Excel VBA based Tool
8.	OTF Database	Enhancing MS Access Application with SQL Server

❖ Core Competencies

- Power BI – Oct 2023
- Talend TOS DI 8.0
- DBDesigner Fork
- SQL Server 2022
- VBA/Macros 2021
- MS Excel 2021
- MS Access
- JIRA, TFS
- Knowledge - Mirth Connect (ETL)

❖ Roles

- Assistant Manager – 3+
- Scrum Master – 0.2
- Data Engineer – 6+
- Developer – 5
- Data Analyst – 3.5
- Corporate Trainer – 7+

❖ Behavioral Skills

- Stake Holder Management
- Conflict Management
- Non Violence Communication

❖ Domains

- Investment Banking
- Equity Market
- HealthCare
- Automotive
- Publishing

❖ Personal Traits

- Growth Mind Set
- Out of Box Thinker
- Facing Challenges
- Hunting New Age Technology
- Flexible and Adaptable
- Helping Nature

❖ Awards & Recognition

- Q4 2016 Client Delight
- Spot Award Apr 2016
- Spot Award Jan 2017
- Functional Excellence Dec 2018 - Ford India

● Career Timeline

#	Company	EmpID	DOJ	LWD	Designation	Yrs
1	Self Employed / FreeLancer		01-Apr-2023		Trainer & Consultant	
2	Straive	405802	16-Jul-21	20-Mar-23	Assistant Manager	1.8
3	CiberSites India	53061	04-May-15	09-Jul-21	Associate Manager	6.2
4	Hexagon Global	135	06-Oct-14	30-Apr-15	Technical Architect	0.7
5	CSC	1501326	21-Oct-10	31-Jul-12	Senior Analyst	1.9
6	Mphasis an HP Company	2091134	03-Jul-08	08-Oct-10	Senior Software Engineer	2.2
7	Crown Solutions (Deputed to Mphasis)	73066	06-Aug-07	02-Jul-08	Analyst	0.11
8	BWIR	IB1099	23-Oct-06	31-Jul-07	Junior Analyst	0.7
9	RRD/OfficeTiger	1189	03-Dec-03	27-Mar-06	Document Specialist	2.3
10	Harvey Heart Hospital		04-Mar-02	05-Mar-03	Internship	1
Tot. Yrs.						17.8

Education & Certifications

- B.Sc Mathematics from A.M. Jain College (Madras University) in 2001
- GNIIT (Global Net Curriculum from NIIT) – (2+1) Year
- PG in Technology Management with KPMG India - Since Apr-2023

● Personal Details

DOB	05-July-1980
Marital Status	Married
Passport	P5385766

Task Highlights	#
Talend ETL Jobs Developed	200+
T-SQL Stored Procedure	100+
T-SQL Triggers	25
MIS Reports	70+
Measures - Dashboard	5
Trained Corporate Employees	600+

# Talend TOS 8.0.1 Component Used – 66						Performance Tuning
tJava	tMSSQLInput	tFileInput	tFileOutput	tWriteJSONField	tSchema	tRowGenerator
tJavaRow	tMSSQLOutput	Delimited	Delimited	tFileInputJSON	ComplianceCheck	tSortRow
tLDAPInput	tMSSQLRow	tFileProperties	tFileProperties	tFixedFlowInput	tChronometerStart	tBufferInput
tSleep	tSampleRow	tCovertType	tRestClient	tContextLoad	tChronometerEnd	tBufferOutput
tMap	tDBOutputBulk	tLogCatcher	tReplace	tFileInputXML	tAdvancedFile	tPrejob
tHMap	tDBBulkExec	tStatCatcher	tReplicate	tFileOutputXML	OutputXML	tPostjob
tLogRow	tSendMail	tRun	tFileList	txmlMap	tHashInput	tFileArchive
tFileDelete	tLoop	tMsgBox	tFileExist	tFileCopy	tHashOutput	tFileUnArchive
tJoin	tMySQLConnection	tFileRowCount	tMySQLInput	tFilterRow	tAggregateRow	tDBOutputBulkExec
tUnite	tMySQLClose	tExtractJSONFields	tMySQLOutput	tSetGlobalVar	tMySQLCommit	tFlowtolterate

Talend ETL - Technical Challenges / Scenarios Faced	Power BI Challenges & Other Projects
• Handling 4GB XML to JSON File – Kettle • tLDAP Connecting 636 protocol – DNS Name Resolution • Complex JSON to CSV File – Talend Data Mapper - tHMap • Memory Error: Java Heap Space – Instead of increasing JVM memory, used Logical Memory Change - tMap (Lookup Model – Reload at each Row) • Created Dynamic Schema (Run Time) • Loading Target Dynamically (Table & File) – tFlowtolterate • Job - Fetch latest file from directory • Performance Tuning – Multithreading - Run Subjobs Parallely • Performance Tuning – Parallelization Method - tFlowtolterate • Convert an XML structure with nested loops into a flat CSV structure by combining nested loops – tHMap – Talend Data Mapper • Connect MS Excel to SharePoint - GloBo Reports • SLA Report by creating Pivot in SQL Stored Procedure	• Power BI: ☞ Switch Data Connectivity Mode: DirectQuery to Import ☞ Dynamic Title & Column Name – Table Visual ☞ Web data extraction ☞ Self Service Analysis – Field Parameters • In-house Hospital Management System: Foxpro to VB 6.0 & SQL Conversion • ABN Amro Reporting Factory – Reporting LifeCycle Development • MS Excel AddIn Development • Globo Sharepoint Report • Dashboard Development • Advanced MS Word, MS Excel and PowerPoint Template Creation