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PRATISH DASH

PROFILE

- 12 Years of technical and functional leadership experience with customer digital transformation service deliveries across creation, design & deployment of centralized data systems.
- Experienced in creating data modernization roadmaps for various domain customers.
- Experience in Data Architecture and Management across multiple domains likes Banking, Agro-Manufacturing and Travel hospitality business.
- Experienced in designing modern Lakehouse with Google BigQuery.
- Experienced in leading and hands-on BI modernization initiatives in Microsoft Power BI service.
- Expertise in handling T-SQL with very strong experience in writing stored procedures and user defined functions in SQL Server 2005/2008 R2/2012/2016/2019 and Azure DW.
- Hands on experience of creating Tabular models in Azure Analysis Services.
- Experienced in Design and Development of ETL jobs using Azure Data Factory
- Experienced in architecting Enterprise Data Lakes in Google Cloud Storage and EDW in Google BigQuery.
- Certified in **Mongo DB NoSQL design development and administration.**
- Data modelling experience in **Netezza DW** appliance, **Google BigQuery** and SAP HANA DB using **HANA Studio**
- Generation of **R** graphs using **Shiny** Package**.**
- Hands-on **BI report design** using **MicroStrategy** Desktop and Web, PowerBI Desktop and Report Builder and **MS SQL Server Reporting Services**.

TECHNICAL SKILLS

- **OS Systems:** Windows Server 2003/2008/2012/2016/2019
- **Languages:** C#.NET, R, VB Script
- **Databases:** IBM DB2, MS SQL Server 2005/2008R2/2012/2016/2019, Azure DW, Netezza DW, Teradata DW, Google BigQuery
- **Project Management:** Data Leadership & Modernization, Services Offering Manager
- **Applications & Tools:** R Studio, PowerBI Desktop, PowerBI Report Builder, IBM DataStage Designer, DBeaver, Informatica PowerCenter, MicroStrategy Desktop and Web, MS SQL Server Management Studio, DAX Editor
- **Other:** T-SQL, NZ SQL, HANA SQL, BigQuery SQL

EXPERIENCE

Data Transformation Leader   **Jul 2021 - Present**

TCCI - Google Business Unit   *Saskatoon, Canada*

- Strategize the Digital Transformation of current legacy landscapes into Google Cloud Platform.

- Develops the roadmap for Data Modernization for various domain customers.
- Collaborate with Google and Customers to understand the business, creates the data architecture according to problem statement, high level design of the solution framework.
- Lead Architect for design and deployment of modern Data Lakehouse structures with datamart for various domain customers of TCS Google Business Unit.
- Create and mentor architecture teams with followed best practices in a data mapping document for use by data engineering team.
- Working with Directors and customer business leaders to understand the reporting analytics requirements and to formalize a way forward for achieving the business consumption layer.
- Research and exploration of the global best practices and formalizes the document to be followed across the data practices.
- Exploration of the latest engineering and platform tools for achieving efficiency across the data project. Helps to execute the POC of a business problem and technology to be used in terms of ease of use and optimization that can be achieved as business value.
- Optimize the deployment of Data lakehouse structure in Google cloud storage and BigQuery.
- Design and deployment of consumption layer in BigQuery interfacing reporting and analytics use cases.
- Part of North America Technology panel for recruitment, senior mentor and helps to Data Engineering and Analytics team to use modern GCP tools like Dataproc (Apache Sparks) ELT patterns, data mapping and optimization of warehouse SQL queries.
- Performs design reviews and encourages usage of formalized process ensuring quality code delivery till production deployment.
- Creation of QA team and to help in unit testing of the various stages of data engineering pipeline result and final test of output data.

Transition Manager, Data Lead & Enterprise Architect   **Jan 2019 - Present**

Tata Consultancy Services Canada Inc.   *Saskatoon, Canada*

- Leading various Data Services initiatives in TCS- Customer Relationship in Argo – Manufacturing Retail and Wholesale business divisions.
- Collaboration with senior executives of customer domain to present business proposals and solutions by TCS.
- Create RFP decks and presentation to the TCS and customer executives showcasing the business value roadmap along with means to achieve it.
- Presentation of new age technology platforms and ways to perform POCs showing the ease of usage to business stakeholders and implementation plans.
- Designed and developed Power BI reports and apps for customer ELT. The reports were mainly on Finance, Administration and Operations domains of the customer.
- Design and development of PowerBI best practices for project and operations team reducing impact on HANA DW.
- Helping in optimizing the SAP HANA DW views used in various BI Reporting frameworks.
- Created a custom framework using VBA and Power Query for daily email for operational and executive reporting.
- Helped in service introduction and offshore teams in various functional areas in the wholesale business division.
- Helped to create milestones and transition plans across IT towers ensuring smooth handover-takeover between customer and vendor teams.

- Helped to create knowledge repository and run-books in IT apps which helped for future references for on-boarding new employees/contractors.

Data Lead & Data Architect   **Apr 2016 – Dec 2019**

Tata Consultancy Services   *Pune, India*

- Lead data teams to ensure project deliverables along with code constructs, QA services and Analytics platform preparation for business.
- Create data models for the Accounts Payable Data mart in Azure DW.
- Creation of data mapping documents for ensuring proper transformation of data from source to target EDW in Azure DW (now Synapse).
- Creation of ETL and lakehouse naming standards (bucket structures), best practices for data engineering process (framework layout).
- Design of Azure Data Lake Service with respect to ETL mapping (Data mapping) document. Extraction, curation, and staging performed on data from source systems (Peoplesoft and Billing systems) and dumped inform of parquet files.
- Designed and developed ETL flows using Azure Data Factory and T-SQL Stored Procedures ensured proper history capturing through SCD when moving to EDW layers.
- Review of the peer codes within team to ensure code quality before and post-production deployments.
- Creation of QA team, helped to create a test cycle with help of Qa manager for tested pipelines results and final loading of data into EDW layer.
- Designed and developed PowerBI reports on top of Azure Analysis Tabular model.
- Deployed PowerBI reports to service and supported user queries and enhancements.
- Helped to support ETL failures and enhancements in IBM DataStage.
- Implemented best practices in Data Operations (DW-ETL and BI apps support) and ensured minimum business impacts during peak and month-end closures.

Data Analyst   **Apr 2014 – Apr 2016**

Tata Consultancy Services   *Pune, India*

- Designed various market segmentation POCs using customer EDW and twitter data using stream API in R.
- Created a word cloud using R and implemented top used banking products for the customer bank.
- Developed Informatica ETL pipelines for US banking client and handled supporting the ETL flows for morning DW loads.
- Designed and developed various custom cubes and freeform EDW queries for business requirements in MicroStrategy desktop.
- Developed and published dashboards in MicroStrategy Web.
- Implemented helpdesk and L1 support practices for IT apps for the Trading systems for customer banks across HKSE, FTSE, TSX & NYSE

Data Analyst   **Oct 2013 – Mar 2014**

Tata Consultancy Services HK   *Hong Kong*

- Designed and developed various stored procedures in T-SQL for application backend processes
- Created best practices for IT change and release management for Trading floors for customer at HKSE.
- Designed customized workflows (included milestone approvals from ELT) for various IT projects
- Configured the JIRA layout and design, integrated with SVN
- Configured custom fields and email response and actions associated with the emails.
- Configured fisheye for source code integration into JIRA issues.
- Created custom security access management for JIRA with various users and group managed through windows AD groups.

Data Analyst & Solution Designer   **Jan 2010 – Oct 2013**

Tata Research Development & Design Centre   *Pune, India*

- Design and development of custom statistical logic in T-SQL Stored procedures and custom functions.
- Development of the user interface and tickets input screens using C#.NET custom design pattern.
- Created various statistical plots using R and stored into SQL Server backend tables.
- Created exploratory data analysis using R scripts.
- Implemented various statistical data mining procedures for extracting historical tickets data and derived business insights for process improvement.
- Created various business capability presentations for customers across Banking & Financial domain, Entertainment and Media, Manufacturing and Lifesciences industries.

EDUCATION

Bachelor of Technology in Computer Science   **Jul 2005 – Apr 2009**

Biju Patnaik University of Technology   *Bhubaneswar, India*

- Recognized by WES as bachelor's degree equivalence.

REFERENCES

Upon Request