JUHI KHANDELWAL

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SUMMARY

- 6 years & 5 months of consulting experience in business intelligence, data analytics & revenue assurance.
- Worked on engagements for clients in Telecommunication, Manufacturing & Retail industry across multiple geographies such as India, Switzerland, Japan & South Africa.
- Delivered solutions across **Visualization (Power BI, Tableau, Qlik Sense, Google Data Studio, SAP Lumira, Design Studio), Database Management (SQL Server, PostgreSQL) & ETL (Pentaho, Alteryx)** tools.
- Adept at setting up diverse infrastructure & provide technology agnostic solutions to address client's pain points.

PROFFESIONAL EXPERIENCE

Deloitte India, Bangalore   (Mar 2017 – Present)
Consulting: Analytics & Cognitive
Consultant (Mar 2017 - May 2019), Senior Consultant (Jun 2019 - present)

Key Projects:

Currently working with **Malabar Gold & Diamonds**, a leading Gems & Jewellery group on developing data analytics practices aligned to the overall strategy & adopting new technologies & processes. One of the AI/ML based transformation areas being worked on uses advanced analytics to optimize inventory by providing recommendations on redistribution to other branches, discount, vendor return & melting at Barcode level to manage dead stock. This has helped client reduce inventory cost, increase working capital & gross margin retention on Dead Stock by 37% (GM uplift of 3.98 Cr) for the stores considered so far. My role in the engagement is as follows:
  - o Enable live connection from **Power BI Desktop** to **Tabular SSAS**. Transform data using query editor & create calculated measures, tables & columns using time-intelligence, math, text, filter & relationship DAX functions.
  - o Develop interactive dashboards using native as well as visuals from marketplace along with features like interactions, drill-through, hierarchies, drill-down, filters, R integration, Q&A, bookmarks, custom tooltips, etc.
  - o Involve in administration tasks such as managing workspace, assign roles & make dashboards available to end users on **Power BI Service** with On-Premise Gateway setup to refresh data sources.

Worked with **Syngenta**, a leading agriculture company on development of **Qlik Sense app** showing campaign level KPIs across **digital channels (Google Ads, YouTube, Facebook, LinkedIn, Whatsapp, Twitter, SMS)** to provide comprehensive overview of performance of the digital campaigns. My role in the engagement is as follows:
  - o Used **Qlik Web connectors** to connect to social media data sources & fetch data by making web-based API calls.
  - o Implemented dimensional data modeling & data load using techniques like link tables, concatenation, composite keys, joins, circular reference & synthetic keys elimination, incremental, resident, inline load, etc.
  - o Created custom fields using script / chart functions & set expressions with identifiers, operators & modifiers.
  - o Used trusted extensions, Geo-analytics, Vizlib library along with native charts, text-based visuals, containers, dashboard bundle controls, alternate states & bookmarks to design intuitive dashboards.
  - o Implemented data level security using Section access that hides selected areas of the dashboard & filters data dynamically depending upon user privileges.

Worked with **Daimler Trucks Asia Japan**, a leading automobile manufacturer on developing solutions to provide automated MIS for quality process monitoring & warranty cost analysis. The solution empowered client to uncover potential quality & safety issues more quickly & effectively & provided end-to-end executive visibility into Investigation & Campaign business processes highlighting process bottlenecks for resolution at an early stage. My role in the engagement was as follows:
  - o Established connection to **Hive** database from **Tableau Desktop** & created data extracts for better performance.
  - o Created calculated fields using functions, LOD expression & parameters along with hierarchies, groups, bins, sets, filters & sorts based on the requirement.
  - o Created worksheets with different visuals like Map, Scatter Plot, Trellis, Tree Map, Cross Tab, etc. & integrated them in a dashboard with actions, bookmarks, filter & parameter selections for interactivity.
  - o Published workbook as well as data extracts & scheduled refresh on **Tableau Server**.
  - o Handled Tableau admin activities like granting access & managing extracts.
  - o Created performance recording to evaluate workbooks & troubleshoot events causing slow-down.

Worked with **Tata Steel Limited**, a leading steel manufacturer on developing risk & control analytics dashboards using **Design Studio &** migrated to **SAP Lumira**. My role in the engagement was as follows:
  - o Familiarized myself with SAP lifecycle development.
  - o Designed dashboards on Design Studio by accessing **BEx** queries fetching data from **SAP BW.**
  - o Migrated & enhanced the dashboards developed on Design Studio to SAP Lumira.
  - o Made reports available to end-users on BI Lunch Pad.
  - o Prepared holistic documentations to enable seamless knowledge transfer of both process & solution to the client.

Worked on a POC – iBuy, an intelligent buying platform to enable faster & accurate forecast of commodity prices for effective gross margin management leading to better inventory planning, commodity hedging & product pricing decisions. The solution has achieved 95% accuracy in ML driven forecast for rubber commodity & 2-4% of spend as potential savings. My role in the engagement was as follows-

- o Integrated model outputs, inventory data & external data from commodity exchange sites to dashboard layers using **Big Query** data connector on **Google Data Studio.**
- o Developed reports with native & community visualizations like waterfall, candlestick, sunburst chart, etc.
- o Created custom fields, parameters, segments, add various controls, interactivity & worked on theme/layout as per requirement.

KPMG India, Bangalore   Jul 2014 – Feb 2017

Strategy & Operations: Telecom, Media & Technology
Analyst (Jul 2014 - Mar 2016), Associate Consultant (Apr 2016 - Feb 2017)

Key Projects:

Worked with **Telkom**, a leading Telecommunication provider in South Africa. The client had scattered information sources, cumbersome reporting mechanisms & internal conflicts between functions regarding accuracy of their financial data. This led to the need for 'Single Source of Truth' & consolidated reporting mechanism resulting in timely decision support. My contribution was as follows:

- o Connected **Power BI Desktop** to **SQL Server** database with Import data connectivity mode to enable in-memory querying.
- o Applied transformations like pivot/un-pivot, joining, merging, split, aggregate, group, etc. using query editor & defined relationships between different fact & dimension tables specifying cardinality & cross filter direction.
- o Designed dashboard using various components & set/restricted interactions, drill-through & drill-down based on requirement.
- o Implemented row-level security to restrict data access at row level by creating roles & assigned them to members on **Power BI Service** once published.

Was involved in analytics & business reporting on SLA adherence for **WNS**, a BPO company to whom a telco had outsourced back office operations.The telco & the BPO provider wanted to monitor the benefits of outsourcing & engaged KPMG to consolidate all shared services data into one database & provide value-added reporting on top of it to support timely decisions. My role was as follows:

- o Understood the different data systems which were involved in providing the shared services & the operations of the BPO provider.
- o Designed the database architecture & the entity-relationship model for optimal data storage & retrieval.
- o Used **Pentaho Data Integration** to extract data from various sources including live system & external files, cleanse & then load the data into target **SQL Server** data warehouse.
- o Created Jobs using Transformation steps like CSV file Input, Table output, Insert/Update, Add constants, filter, Join rows, Merge join, Sort rows, Set Environment Variables, etc.
- o Created Databases, Tables, Stored Procedure, Views & Common Table Expressions (CTEs) to facilitate efficient data manipulation & data consistency.
- o Created & saved Pentaho jobs in repository & scheduled them to run in production on daily basis.
- o Developed reports on the consolidated data using **iDashboards** to showcase actionable insights.

Part of a Revenue assurance & Fraud management - engagement for **MTN**, a leading telco in Africa. As part of the engagement, was involved in the design & development of processes for exception management & dashboards to monitor critical KPIs. My contribution was as follows:

- o Created **Tableau** dashboards with views, trends & drill downs using data from multiple sources- **SQL Server, CSV & Excel files.**
- o Integrated data using union, joins & data blending.
- o Organized data based on predefined conditions & filtered large data sets using extract, data source, context, measure & table filters removing irrelevant data records, reducing data sizes for faster processing.
- o Extensively used quick filters to enable user selection & Actions to filter/highlight data between the components. Also, used URL actions to access External Web Content.
- o Published workbook as well as data extracts & scheduled refresh on **Tableau server**.

Flipkart Internet Private Limited, Bangalore   Jan 2014 – Jun 2014

Warehouse Team, Supply Chain & Management
Intern – Final semester of Engineering

- o Developed a solution that enabled a system driven workforce prediction & scheduler for scheduling the right people for the right task at the right time, efficient forecast of workforce to reduce over/under staffing & capturing productivity.
- o Designed interface & backend to capture the details of employees & skills, associate employees with skills, enable search of employees through combination of filters, track employee through attendance system.
- o The front-end of the project was built using **Ruby on Rails** framework & the backend using **Padrino** framework.

EDUCATION

B.E in Information Science & Engineering   **2010 - 2014**
- People Education Society Institute of Technology, Bangalore
    - Concentration in Information Science & Engineering
    - CGPA **8.23 /10.0**

Intermediate in Science   **2009 - 2010**
- Nowrosjee Wadia College, Pune
    - State Board of Maharashtra
    - Secured **76.8 %**

Matriculation   **2007 - 2008**
- DAV Public School, Wadi (Karnataka)
    - Central Board of Secondary Education
    - Secured **90.8 %**

ACHIEVEMENTS

- Recipient of **the KUDOS award at KPMG** India & **Live the Dot at Deloitte** for outstanding performance.
- Participated in multiple corporate social activities in KPMG & Deloitte.
- Secured distinction in all 8 Semesters of Engineering.