#### **Nilanjan Chatterjee** **41, Masjid Bari Street,**

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#### **Objective**

Assignment in Business Intelligence and Data & Analytics and a position in the technology consulting industry seeking challenging avenues, where my technical experience, educational potential and team work match the growth and strength of the organization. I am a keen learner and have good communication, interpersonal skills and good logical ability to contribute in the growth of the organization.

**Experience**

**Work Experience: 7.2 years**.

Worked from January,2014 to July,2016 in **Tech Mahindra Limited**

Worked from August,2016 to October,2018 in **Cognizant Technology Solutions**

Worked from October,2018 till date in **PwC India**

###### **Educational Qualification**

* Completed B.Tech**(ECE)** in year 2013(81.8%) from Narula Institute of Technology under West Bengal University of Technology (WBUT), Tenure: Aug,2009 – July,2013
* Completed Higher secondary from Sailendra Sircar Vidyalaya under WBCHSE securing 79.2%, Tenure: April,2007 – March,2009
* Completed Secondary from Scottish Church Collegiate School under WBBSE securing 82.8%, Tenure: April,2006 – March,2007

### **Technical Skills**

* More than 7 years of professional experience including 6.5 years of experience in **generating reports using Qlikview 11.2 SR8 & SR9** and **Qlikview 12.2 SR3& above.**
* Responsibility includes involvement in gathering business requirements, analysis, design, data modelling and development, testing and implementation.
* Good knowledge of **QVD, QVS and QVW** files.
* Knowledge of **different types of Loads,** performance tuning and optimizing reports.
* Sound knowledge of using QlikView Functions (Date and Time, Keep, Join, concatenate, Mapping, String & input Fields etc.).
* Good idea of testing codes using QlikView components like **List Box, Slider, Buttons, text objects, multiple charts and Bookmarks.**
* Created Reports in PDF printable format using Qlikview.
* Knowledge of **SET ANALYSIS** to provide custom functionality in QlikView Applications.
* Good knowledge and understanding of **Qlikview Management Console** and troubleshooting server issues.
* Good knowledge of Admin activities such as **creating and scheduling tasks, providing access to users, section access, assigning CALs** etc**.**
* Worked in **Qliksense September 2017** and above. Have knowledge of **Qliksense Development** and **Admin activities, QMC** as well. Worked with **extension objects & Mashup.**
* Have experience of upgrading both QlikView and QlikSense.
* Worked with **Qlik NPrinting**, have experience of setting up environment for NPrinting, end to end configuration and creating connections with Qlikview & Qliksense. Set up a full environment of NPrinting and did email configuration. Also worked with NPrinting on-demand add-on.
* Worked with Tableau Desktop 2019.4 for end to end development of dashboards and used Power BI in PoC purpose, showing demo to clients.
* Worked with Tableau features like model calculations, custom calculations, parameter actions, dashboard actions, LOD calculations and buttons for quick navigation.
* Have knowledge of Alteryx, attended workshop on Alteryx.
* Experience in **SAP BW**, good idea of **SAP BW** and **ECC** systems.
* Experience in developing **process chains**, creating dataflow through the process chains, detecting and fixing issues.
* Good knowledge of creating **InfoObjects**, dataSources and targets and loading data from source to target **(DSO/InfoCube)** using **DTPs**.
* Have an idea of **developing reports using BEx Query.**
* Experience in working in **Informatica Power centre client**.
* Experience in Life Sciences business domain having knowledge of relevant KPIs like TRx/NBRx, MR Calls, CPA, Market Share etc. as well as in Sales & Marketing domain.

**Domain Expertise:** Business Intelligence, Data warehousing

**Tools Used:** Microsoft Visual Studio**,** Service-now, Jira, Rally

**Operating Systems:** Windows XP and Windows 7

**Database:** Oracle SQL

**PROJECT DETAILS:**

**PROJECT 7: Karl Storz Endoscope Ltd.**

**Client:** Karl Storz

**Organization:** PwC India

**Team Size:** 4

**Project Duration:** Jan 2019 – Till Date

**Project Description:**

Sales application development in QlikSense, fixing issues and enhancements in the existing QlikSense dashboards and work with Qlik NPrinting**.** Source data is coming from SAP ECC system and flat files provided by the business.

**System Architecture**:

* QlikSense June, 2018
* Qlik NPrinting February, 2019
* SAP ECC system

**Responsibility:**

1. Involved in requirement gathering, identifying source tables and granularity, data extraction and transformation in QlikSense.
2. Built the data model, created analytical reports for Sales in India by different territories, customers and supervisors. Worked on comparative analysis between sales by different vendors of Karl Storz allover India.
3. Fixed multiple data issues and worked on changes in both data level and UI for the existing QlikSense applications.
4. Worked with generating and scheduling reports using NPrinting and distributing to the end users, creation of filters for the users as per their access level.

**PROJECT 6: PwC Global IT Project**

**Client:** PwC US & PwC UK

**Organization:** PwC India

**Team Size:** 3

**Project Duration:** Oct 2018 – Till Date

**Project Description:**

The warehouse contains data for various industries, clients and Line of Services. The KPIs are mostly based on Sales, Revenue, Margin, Growth, Profit & Loss etc. by multiple industries, channels & segments. Detail level of analysis has been created using the Qlikview applications. Data level security has also been provided in the dashboards.

**System Architecture**:

* Qlikview 12.2 SR8
* SQL Server 2017

**Responsibility:**

1. Created analytical reports for different countries & territories with the KPIs like Revenue, Growth & Margin.
2. Worked on comparative analysis on Net Revenue & margin by Client Segment, handled Global Client data for multiple industries & channels.
3. Created Reports in Qlikview for the entire application and enabled PDF print functionality for the same.
4. Worked on Qlikview Admin activities including version upgrades. Also worked with QMC, granting and revoking access of users, monthly data refresh process etc.
5. Worked on installation of Qlik NPrinting (April 2019) Server, Engine and Designer, updating NPrinting license and creating connection with Qlikview.
6. Worked on creating ticker in Qlikview Access Point.
7. Prepared all the Technical Installation Plan document and Design documents.
8. Migrated QA dashboard from Power BI to Tableau.

**PROJECT 5: Merck KGaA**

**Client:** Merck

**Organization:** Cognizant Technology Solutions

**Team Size:** 3

**Project Duration:** Feb 2017 – Oct 2018

**Project Description:**

Merck is a Germany based Pharmaceutical Company, having offices worldwide. The project is in Pharma and Healthcare domain. There are multiple dashboards in Qlikview and Qliksense for different regions (EU, Latam, NA, and APAC) for which I have provided support, worked on defect fixing & new enhancements, change and admin activities as well. Also worked on new development in Qliksense for some countries based on APAC region.

**System Architecture**:

* Qlikview 11.2 SR9
* Qliksense September,2017
* Oracle 11g

**Responsibility:**

1. Responsible for weekly data loading activity in Qlikview & Qliksense dashboard.

2. Worked on large scale and data volume based applications.

3. Worked on Incidents and Service Requests raised by the users in Service-now and Jira ticketing tools for bug fixing and new enhancements in the applications.

4. Worked as Qlikview & Qliksense admin, handled QMC related activities.

5.Tested Applications, ensuring the application met the requirements, Data quality for Quality Assurance before delivering to the end users.

6. Involved in providing solutions for Qlikview and Qliksense server related issues.

7. Created automation scripts in Qlikview, e.g. creation of automatic email alerts to the users of a country whenever new data is uploaded in the application of that specific country. Same kind of alerts will be triggered whenever data extraction gets failed for any source.

8. Worked on country solution development for APAC applications. I have conducted multiple user workshops for business requirement gathering and helping the business to design the KPIs. I was also involved in building the data model, creating reports as per client requirements, Scripting, ETL, KPI creation & UI designing.

9. Gathered good functional knowledge in Life Sciences and Pharmaceutical domain.

**PROJECT 4: Cognos to Qlik Transformation**

**Client:** GlaxoSmithKline Ltd. (GSK)

**Organization:** Cognizant Technology Solutions

**Team Size:** 4

**Project Duration:** Aug 2016-Feb, 2017

**Project Description:**

There are 56 reports in Cognos which are getting migrated to Qlikview. The primary objective of the Cognos to Qlik project is to transform the reports into Qlikview with like to like functionality of Cognos and providing advanced features.

Total 6 modules are there in this phase. The key points of this transformation are to develop the Qlikview data models after analysing Cognos query, building the UI, end to end testing including data validation with Cognos & database and adding some advanced features of Qlik in the dashboards like visualizations (Bar Chart, Scatter Chart, Line Chart etc.) which will be helpful for users.

**System Architecture**:

* Qlikview 12 SR1
* Oracle 11g

**Responsibility:**

1. Responsible for analyzing Cognos query and finding the cardinality and other details like tables, columns and expressions.

2. Worked on large scale and data volume based applications.

3. Developed dashboards from the scratch, i.e. extracting data from data source and creating QVDs.

4. Worked on building data models from scratch and enhancing in few cases.

5. Developed User Interactive Sheets & Reports as per Cognos reports. All the reports are developed as per GSK standards and guidelines.

6. Applies security to document (section access) and QMC server level (reduction, distribution and loop).

7.Tested Applications, ensuring the application met the requirements, Data quality for Quality Assurance before delivering to the end users.

8. Maintained the Qlikview folder structure as per GSK guidelines.

9. Worked in QMC, created tasks for reload and distribution of dashboards into Access Point.

10. Worked on the defect fixing in SIT and UAT.

11. Prepared all the Technical Installation Plan document and design documents required for Go-Live purpose.

**PROJECT 3:** Energy Management Sourcing Analytics (EMSA)

**Client:** GE

**Organization:** Tech Mahindra

**Team Size:** 3

**Project Duration:** Aug, 2015-July, 2016

**Project Description:**

The primary objective of the EMSA project is to handle the data for all the P&Ls under Energy Management including Industrial Solution, Digital Energy, Power Conversion, EMHQ and Alstom. Managing Spend & Savings data for RPT, SRG, Quality and Alstom; including handling reports for Inflation/Deflation, Transformed & Gap amount, Should Cost, Utilities, Transportation, PCardetc. is the primary task of this project. Separate QVDs are maintained for all these sub-businesses.

EMSA is a single dashboard containing 26 reports. Each sheet contains 5-8 tabs for different representation of data. New enhancements come for these reports and we need to do the changes both in script level and UI as per requirement.

**System Architecture:**

* EMSA Qlikview dashboard can be accessed using remote desktop connection both in QA and Production.
* Oracle 11g for Data base

**Responsibility:**

1. Responsible for gathering requirements of new enhancement and issues in an existing Qlikview dashboard.

2. Worked on large scale and data volume based applications.

3. Ensuring smooth onsite to offshore transition of requirements and conducting knowledge transition sessions.

4.Developed KPIs and set analysis application with Qlikview functions (join, concatenate, keep, applymap)

5. Developed User Interactive Sheets & Reports as business needs.

6. Applies security to document (section access) and QMC server level (reduction, distribution and loop).

7.Tested Applications, ensuring the application met the requirements, Data quality for Quality Assurance before delivering to the end users.

8. Responsible in support activities such as reloading QVDs and QVW applications using Oracle database and flat files.

9. Reviewed QlikView error logs and provided production support.

10. Worked on the defects and new enhancement Rally tickets raised by the users.

11. Involved in admin activities.

**PROJECT 2:** EM Support

**Client:** GE

**Sub-business:** Digital Energy

**Organization:** Tech Mahindra

**Team Size:** 1

**Project Duration:** Jan, 2015-July, 2015

**Project Description:**

This is one short term development project (development of a new Qlikview dashboard) under Sub-business Digital Energy. The name of the report is Packaged Solution and the report is based on the product platform.

The project is about maintaining all the data for Open and Closed Orders, representing in both summary and detailed chart. Total 6 tables (5 summaries, 1 detail) are used in this dashboard.

**System Architecture:**

* + Remote desktop connection is used to access the Qlikview dashboard.
  + Oracle 11g for Data base
  + Informatica 9.6 Power center client is used for ETL development activities.
  + Change Request tickets to be raised in GE Service-now for migration of DB codes, ETL objects and Qlikview dashboard into Production environment.

**Responsibility:**

1. Understand Business and system requirement of new project. (newQlikview dashboard)

2. Analyzing requirements as per the program specifications and customer specified standards.

3. Designed, developed, implemented, and supported Qlikview dashboards. Integrated data sources and databases with Qlikview, and designed and developed data models and backend queries for presenting data.

4. Handled ETL objects, created new mappings and sessions as per requirement using Informatica 9.6

5. Created and managed ETL script generation using Informatica lookup transformations.

6. one to one interaction with user for clarification of any issues faced and implementation of new logic.

7. Developed Qlikview Dashboard using backend script and UI objects like Chart Box (Drill Down, Drill up & Cyclic Grouping), List, Input Field, Table Box and Calendar & Date.

8. Responsible for manual testing by using sql queries while user raises any data issue.

9. Demonstrating project feature to user, before start of User Acceptance Testing.

10. Providing support to the users during the End to End testing and User acceptancetesting Phase..

11. Provided sign off KT to the Ops team with all the relevant documents regarding the project after Production migration.

**PROJECT 1:** Industrial RTS 2013

**Client:** GE

**Sub-business:** Industrial Solutions

**Organization:** Tech Mahindra

**Team Size:** 12

**Project Duration:** June, 2014-Dec, 2014

**Project Description:**

GE Industrial Solution is one of the leading organizations which manufacture Industrial products for Power, Drives and Control and Electrical distribution. they are migrating from Informaticaand other legacy systems to SAP. This is going ahead in a phased manner for different regions.

Current SAP BW system acts as a source and target for the datawarehouse. We are sending specific data to the Informatica system using OHDs and the few reports are generated in Qlikview using the active table data of the DSO’s.

**System Architecture:**

* SAP GUI version 7.3
* Worked in both SAP BW and ECC systems

**Responsibility:**

1. Worked in in SAP BW production support for GE Industrial Solutions;engaged for SAP implementation and operations activities.

2. Monitored the Process Chains in Production environment and other data loads and detected as well as fixed issues with the data loads.

3. Used to update customer regarding the status of some critical loads as per their request and enhancement tasks also.

4. I have designed process chains; have idea of creating InfoObjects, datasources and targets and loading data from source to target (DSO/InfoCube) using DTPs.

5. Performed few tasks on Logistics extraction and setup tables filling.

6. Provided data information to Informatica team using SAP ECC tables.

**PoC in Qlik & Tableau:**

**System Architecture:**

* Qliksense February 2019
* Qlikview 12 Desktop version
* Tableau Desktop 10.5

**Description of each PoC**:

1. The Qliksense PoC was to develop a CFO Dashboard.
2. Created Chairman's Dashboard in Pharmaceutical domain using QlikSense which was demonstrated to clients for new proposal.
3. In the Qlikview PoC, I have created a Project Status Tracker Dashboard which includes the detailed level analysis on the overall project status by the assigned tasks. Also, it highlights the performance of resources allocated to the projects, team velocity, analysis on the priority items, planned vs Actual duration of tasks etc.
4. Two requirements are there in the Tableau PoC:
5. Converting a Qliksense report into Tableau dashboard. The dashboard KPIs are mostly of Transportation and Logistics.
6. A new Tableau report development on employee sentiment analysis between organizations.

**Achievements:**

# Worked in a project on**Comparative study on Electrical Characteristics of MESFET Using GaAs, InP and GaN as Substrates** and published a paper in an US journal named Springer.

The paper got published in ‘**Computational Advancement in Communication Circuits and Systems’.**

Link for the journal: https://link.springer.com/chapter/10.1007%2F978-81-322-2274-3\_46

**Certification** **& Training:**

Successfully completed **QlikSense Data Architect (June 2018 Release**) certification on 22 November 2019.

Attended workshop in **Power BI Desktop** and have some basic insights on the same.

**Personal Details:**

**DOB :** 13th April-1991

**Father’s Name :** Mr. DebashisChatterjee

**Sex :** Male

**Languages Known:** English, Hindi, Bengali

**Hobbies :** Reading, Travelling, Cooking

**Passport :** Yes

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