SATYABRATA KANUNGO (M. Tech (IT), MCA, B.Sc. (Mathematics)

9+ years' Total Experience (7+ Year's in QATAR AIRWAYS) BUSINESS INTELIGENCE DEVELOPER / ANALYST WITH STRONG EXPERIENCE IN APPLICATION SUPPORT AND ENHANCEMENT WITH AGILE (SCRUM MASTER CERTIFIED)/WATERFALL MODEL

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A highly skilled Full stack Business Intelligence Engineer/Analyst with Agile (certified Scrum Master) having 8+ years rich global experience Aviation, Finance, SCM, HRMS across Business Communicate, requirements gathering and analysis, database/Datawarehouse Architecture/Modelling/development, System integration, Project/Product Management for Transformation/Automation with 100% Customer satisfaction.
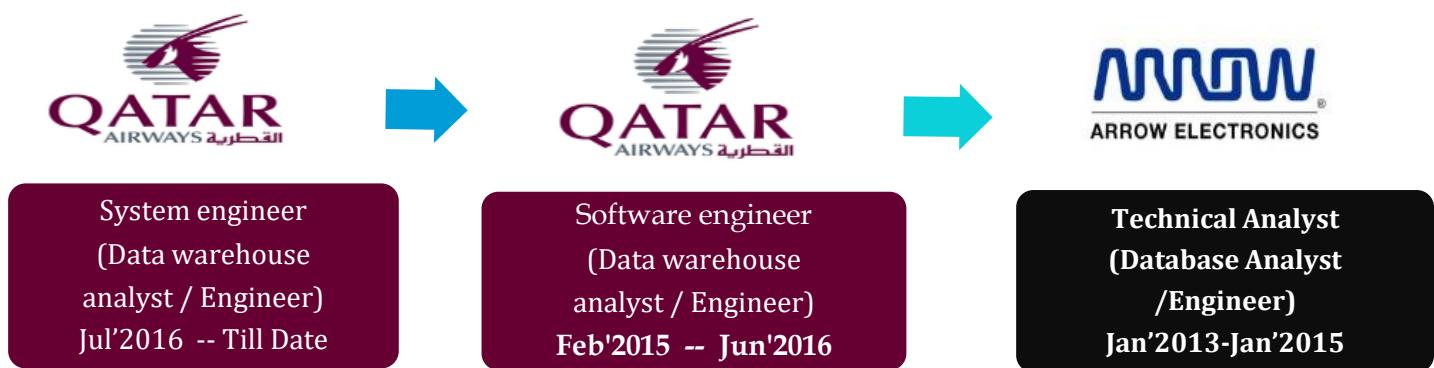
Profile Summary

- As Lead Data professional work on multiple BI projects simultaneously, independently and be responsible for interviewing cross platform Business (including C' level and Senior management) / IT groups to **collect and analyze requirements/Stories.**
- Meet with decision makers, systems owners and end users to define business, financial, operations requirements, systems goals, identify and resolve systems issues.
- Lead design sessions in prototyping new systems for the purpose of enhancing business processes, operations, and information process flow. well versed in GAP analysis as well as generate model with AS-IS and TO-BE scenarios based on user stories.
- Experience crafting logical data models, new database/Data warehouse schema or re-use existing structures, resolving data movement strategy as well as data availability and recoverability.
- Profound knowledge of Data Warehousing concepts, Data modeling, Integration Service Catalog.
- Skilled in designing/building applications in Business Intelligence (ETL/BI) tool **like SSIS, SSRS, SSAS,**
- Excellent knowledge in Designing **Power BI Data Models, Visualizations, Dashboards and DAX commands.**
- Expert Knowledge of T-SQL, Integration Services (SSIS), Reporting Services (SSRS) and Analysis Services (SSAS). Experience in SQL Server DTS and SSIS (Integration Service) package design, constructing, and deployment.
- Experience in developing and supporting BI applications using **INFORMATICA.**
- Good understanding of database **(Oracle SQL/PLSQL, SERVER)**, data storing and data manipulation solutions and techniques, supported by proficient coding / data querying skills.
- Strong **Modeling/ architecture/end to end Integration** capabilities to build **database/Data warehouse** for complex BI data-oriented project.
- Strong development skills with **Azure Data Lake, Azure Data Factory, Synapse Analytics, Azure Blob and Azure Storage Explorer, Data Pipeline.**
- Strong knowledge in data migration and DB environment (DEV, SIT, UAT, PROD) maintenance.
- Basic Knowledge in **Python** for data analysis (PANDAS, NUMPY, SCIPY, Matplotlib etc.)
- Knowledge of Test-driven development (TDD), Continuous integration (CI) and automated testing
- Strong knowledge in Project management, End-to-End Delivery expertise and team management and experience with different phases of project life cycle (Analysis, Design, Implementation, Testing, and debugging new and existing client-server-based applications).
- Strong Knowledge in Scrum Agile based Sprint planning based on user story and artifacts (BRD, SRS, FRS, ISD).
- Strong **analytical and critical thinking** skills and demonstrated use of best practice business and technical analysis principles such as process analysis and definition using structured approaches etc.
- Excellent written and verbal communication with Business (including C' level and senior management) / IT groups and provide support as when required in off time as well.

🏢 Skills & Competencies

Analytical Skill	Project Management	Management & Leadership	SoftSkiil
▪ Data Profiling ▪ Problem solving ▪ Data visualization ▪ Critical thinking	▪ Portfolio Management ▪ Scope, Quality & Cost Management ▪ End-to-End Delivery expertise ▪ Cross-function team handling ▪ Hands-on Agile Practitioner ▪ Change Management	▪ Adaptive Leadership ▪ Team building and Mentoring ▪ Advocate of Data driven Org ▪ Strategic Planning and Budgeting	▪ Interpersonal Communication ▪ Public Speaking ▪ Motivation and Drive ▪ Time Management ▪ Coaching and Mentoring

🧑‍🏫 Career Timeline

System engineer (Data warehouse analyst / Engineer) Jul'2016 -- Till Date	Software engineer (Data warehouse analyst / Engineer) Feb'2015 -- Jun'2016	Technical Analyst (Database Analyst /Engineer) Jan'2013-Jan'2015

🎖️ Certifications

PROFESSIONAL DEVELOPMENT & CERTIFICATIONS		ON GOING PROFESSIONAL DEVELOPMENT & CERTIFICATIONS	
INTRODUCTION TO BI DATA ANALYTICS BY IBM	**IBM Coursera Online**	MASTER IN DATA SCIENCE (PYTHON, TABLEAU, BIG DATA, MACHINE LEARNING)	**SIMPLELEARN ONLINE**
AZ -900 AZURE FUNDAMENTAL	**Microsoft**	DA 100 DATA ANALYSIS IN POWER BI	**MICROSOFT**
DP – 900 AZURE DATA FUNDAMENTALS	**Microsoft**	DP 200/201 AZURE DATA ENGINEER	**MICROSOFT**
POWER BI COURSE COMPLETION	**Udemy Online**	DP 100 AZURE DATA SCIENTIST	**MICROSOFT**
SCRUM MASTER CERTIFICATION	**International Scrum Institute™**	ANALYTIC COURSE IN COURSERA	**COURSERA**
SCRUM FUNDAMENTAL CERTIFICATION	**Scrum Study**		
DATALAKE WITH DREMIO	**Dremio University**		

Education

Education	
M.TECH. (INFORMATION TECHNOLOGY)	BPUT UNIVERSITY, ORISSA INDIA, CGPA 7.66.
MCA (MASTER IN COMPUTER APPLICATION)	BPUT UNIVERSITY ORISSA, INDIA CGPA 8.31.
BACHELOR IN SCIENCE. (MATHEMATICS HONS)	B.J.B COLLEGE UTKAL UNIVERSITY, ORISSA, INDIA

Technical Skills

Databases	ORACLE (SQL, PLSQL), SQL SERVER, MYSQL
Data Warehouse (ETL) Design/Modelling/ Architecture	**INFORMATICA** (Informatica Repository Manager, Informatica PowerCenter Designer, Informatica Workflow Manager, Informatica Workflow Monitor and Informatica Administrator Console), MSBI (SSIS, SSAS, SSRS)
Reporting tool	SAP BUSINESS OBJECTS, SSRS, POWER BI PAGINATED REPORT
Data Visualization/Reporting for Business intelligence	**POWER BI** (POWER QUERY, POWER PIVOT, POWER VIEW AND POWER MAP) /**TABLEAU**, **SAP BO**, SSRS, SSAS, ADVANCE EXCEL
Infrastructure Design	WINDOWS/LINUX/UNIX, **AZURE CLOUD**
Software Methodology	WATERFALL, **AGILE (SCRUM MASTER CERTIFIED)**
Azure Data Platform	**AZURE SQL SERVER, AZURE DATA FACTORY, DATA LAKE, AZURE SYNAPSE ANALYSIS, AZURE COSMOS DB**
EDMS and Knowledge management portal	SHAREPOINT
Versioning Tool	GIT, TFS
Ticketing Tool	HPMS, JIRA
Documentation	MICROSOFT OFFICE (WORD, POWERPOINT, EXCEL, VISIO, OFFICE365, SHAREPOINT)
Python	PANDAS, NUMPY, SCIPY, MATPLOTLIB

Experience

As Business Analyst / Scrum Master

- Involved in requirement gathering, elicitation and prioritization of activities.
- Created Business Requirement Document (BRD), Use cases, and screen design using Visio.
- Conduct day to day Meeting with decision makers, systems owners, and end users to define business, financial, operations requirements and systems goals.
- Responsible for ensuring all steps in Domino's agile based SDLC are executed, acts as the scrum master for projects/work streams and coordinates across many cross functional project resources.
- Build compelling story, new product features and actionable insights using Data requirement.
- Create project artifacts (BRD, SRS, FRS, ISD) and functional flow and business rules.

As Technical Lead/ Developer

- Engages with Business stakeholders to understand and document the existing data landscape:
  - **Key Data systems**
  - **Key Data processes**
  - **Key Data entities**
  - **Key Data sources and their limitations**
  - **Relevant Data privacy & security guidelines.**
- Understands categories of products (and individual examples) that can be used to collect, integrate, store, visualize and govern data and metadata.
- Proposed different viable IT solutions for complex business scenarios
- Design technical documentation for Database objects (Oracle Table, view, synonym, package,

As Production Support

- Providing functional and technical first level support to business users including Outstation team.
- Analyze GAP for repeated manual /process issues and Proposed different viable IT solutions for complex business scenarios.
- End to end responsible working on ITSD/ITSR/CR's based on business requirement.
- Conducting the meeting with business users Biweekly and monthly for discussion about pain area, provide stats of ongoing issues and discuss on feasible solution.
- Prepare MOM (Minutes of Meeting) for each meeting and follow up in action items.
- Responsible for the preparing

- Facilitates scrum and status meetings.
- **Conduct daily standup meeting, Sprint planning, review and present status via Power Bi dashboard.**
- Make sure testing and documentation are adequate, before releasing to Business environments
- Maintain Activity tracker in **Azure Devops** and in TFS.
- Writing use cases, test scripts, planning and performing SIT, UAT, PT and Regression Testing with users to get the product released and operationalize and Provide Post Go live support.
- Oversee client/customer/vendor relations to ensure that service expectations are met or exceeded
- Monitors project metrics for early detection of significant deviations in quality, cost, or schedule.

- procedure) and ETL (SSIS Package) objects.
- Developed, Deployed and Monitored **SSIS Packages** and Informatica Mapping for ETL process.
- ETL migration from Informatica to SSIS.
- Support Application using **Informatica** and optimized of **SSIS Packages** and SQL Query tuning.
- Develop and maintain SSAS CUBE, SSRS Report and SAP BO Universe.
- Developed planned and adhoc **Power BI reports** and Dashboards for various business.
- Strong development knowledge in SAP Business Object reporting.
- Responsible for code quality, review and standards.
- Analyze and debug ETL(SSIS) and DB(SQL/PLSQL) and SAP BO reports and provide resolution and manage the SQL catalog for SSIS packages and JOBS.
- Maintain Power BI Workspace and user management.
- Developed POC **AZURE data Pipeline in Azure data factory**.
- Developed POC in **Azure Data lake.**
- Migrated On premises SQL server to **Azure Cloud**.

- the weekly and monthly status reports for the management.
- Manage adhoc analytic requests for Business Intelligence systems in an accurate and efficient manner.
- Discussed with Technical Support team (SERVER, NETWORK, SECURITY, EMS ALERT etc.) for hardware/software maintenance.
- Prepare Work program and present in daily stand up meeting.
- Coordinate with Vendor and Offshore team for Support and enhancement request.
- Responsible for 24/7 support for all the application including weekend and holiday as well.
- Very strong supporting knowledge in Tier-0,1 application.

Project 1: **Forecast Route Profitability for Airline (DEVELOPEMENT)** Client: Qatar Airways ⚹ Qatar

Technology: Oracle (PLSQL), SSIS, SSRS, .NET, SQL SERVER
Role :   IT Business Analyst Lead/Developer
Team Size: 3
Start date: Nov '20 to Till Date

Project description:

Qatar Airways usages Route Profitability for Day to day analysis of **ROUTE PROFITABILITY and FLIGHT and AIRCRAFT for operation**.

Due to currently unavoidable situation forecast route profitability for next 45 days module has been initiate and main functionality of this module are follows

- Provide 45 days forecast profitability by comparing Revenue and Cost.
- Provide KPIs for next 45 days to take decision for flight and Aircraft operation.
- Various department use this forecast model for high level decision for Daily operation.
- Reports are available for revenue cost computation.
- Forecast profitability Screen available for user to check single Aircraft performance.

Project 2: Power BI Implementation & Migration in Finance Department (DEVELOPEMENT)

Client: Qatar Airways ⚲ Qatar

Technology: Oracle, Power BI, SSRS, SSAS, Power BI Report Builder

Role :   IT Business Analyst Lead/Developer

Team Size: 6

Start date: June '19 to Till Date

Project description:

Qatar Airways usages Route Profitability, Cost of Sale (PAX & CARGO) for Day to day analysis of **ROUTE PROFITABILITY AND COST OF SALES for operation**. Currently there are almost 100 Canned Reports and Dashboard are running in SAP BO are requested by business to migrate to **POWER BI, POWER BI CANNED REPORT AND SSRS.**

Project Deliverable and value addition:

- ✓ Live interactive dashboard for Route profitability for C'Level Executives.
- ✓ Automated business user manual report.
- ✓ Consolidate multiple data sources through Power BI.
- ✓ Schedule Data Refresh without manual intervention.
- ✓ Maintain security and Power BI Workspace.
- ✓ Data validation against SAP BO reports.

Project 3: Qrystal Route Profitability (Support and Enhancement) Client: Qatar Airways ⚲ Qatar

Technology: Oracle (SQL/PLSQL), SSIS, SSRS, .NET, SQL SERVER, SAPBO

Role :   IT Business Support Lead/Developer

Team Size: 4

Start date: FEB '15 to Till Date

Project description:

Qrystal Route profitability is one of major BI decision-making system in Qatar Airways and departments like **(FINANCE, CARGO, COMMERCIAL, FLIGHTOPS, REVENUE MANAGEMENT, REVENUE ACCOUNTING ETC)** are used this system for day to day analysis and decision making about route profitability, Aircraft Profitability, Flight operation.

Project Deliverable and value addition:

- ✓ Provide Weekly and monthly profitability to C-Level and higher management.
- ✓ 24/7 support to business Queries related to report.
- ✓ Support Business for data analysis and data model.
- ✓ Data model access Via Power Bi, Excel and SAP BO for data analysis and Adhoc reports.

Project 4: Cost Of Sales (PASSENGER & CARGO)(Support and Enhancement) Client: Qatar Airways ⚲ Qatar

Technology: ORACLE, INFORMATICA, SAP BO, .NET, SHAREPOINT

Role :   IT Business Support Lead/Developer

Team Size: 4

Start date: FEB '15 to Till Date

Project: Application Support and Enhancement

Project description:

The Cost of Sales Report is designed to provide the country managers with a view of their revenue month-on-month and year-to-date and how that compares with the costs they are incurring. The cost of sale system has been designed to generate the report by revenue channel which will provide additional information on the cost incurred with respect to the revenue generation channels such as Online, Agency Sales, Own Office and Contact Centers by Super region, Cluster, Country, station.

Project Deliverable and value addition:

- ✔ Cost of sales report based on Station, country, Region, and HQ
- ✔ 24/7 support to business Queries related to reports and calculated data.
- ✔ Support Head office as well outstation business for day to day activities.
- ✔ Data model access Via Power Bi, Excel and SAP BO for data analysis and Adhoc reports.

Project 5: Qrystal Weekly and Monthly Automation and Optimization (Development)

Client: Qatar Airways (May'19 to Mar'20)

Project 6 : Qrystal Weekly and Monthly Automation and Optimization (Development)

Client: Qatar Airways (May'18 to Mar'19)

Technology: Oracle (SQL/PLSQL), SSIS, SSRS, .NET, SQL SERVER, SAPBO

Role :   IT Business Analyst/Developer

Team Size: 6 (4 consultant)

Project: DEVELOPEMENT

Project description:

Due to high demand of Qrystal Route profitability business raised request reduce processing time and establish new data requirement from different sources. 20 Changes request has been developed and deliver to business.

Project Deliverable and value addition:

- ✔ Automated manual task for master data update.
- ✔ Automated Exception clearing.
- ✔ Reduced Processing time by 60% (4 days to 1.5 Day in weekly and 2 days to 5 hours in Monthly processing)
- ✔ Automated Manual Business report using SAP BO.
- ✔ Developed Data analysis and validation after each process to maintain data accuracy

Project 7 : Informatica to SSIS Migration Project (DEVELOPEMENT)

Client: Qatar Airways ⚲ Qatar

Technology: Oracle (SQL/PLSQL), SSIS, SQL SERVER,

Role :   IT Business Analyst/Developer

Team Size: 10(6 consultant)

Start date: Feb'17 to Sep'18

Project description:

As per business requirement 300 Informatica Mapping has been migrated to SSIS, all the business logic has been transferring to SSIS with proper testing and parallel run.

Project Deliverable and value addition:

- ✔ Reduced licensing cost
- ✔ Process are developed and optimized based on latest Architecture.
- ✔ New scheduling functionality has been added in SQL catalog.
- ✔ Processing time has been improved by upgrading latest hardware.

Project 8: **QBIT (Qatar airways Budgeting Integrate Tool) (Support and Enhancement)**

Designation: Functional /Technical Support   Client: Qatar Airways ⚲ Qatar (Team Size: 3)

 Period: Feb'15 to Sep'17

Project 9: **E-Travel (Accounting reconciliation) (Support and Enhancement)**

Client: Qatar Airways ⚲ Qatar Designation: Functional /Technical Support (Team Size: 3)

Period: Feb'15 to Apr'19

➢ Responsible for the end to functional and technical first level support in **DATABASE, REPORT** for the application to HO users as well as Outstation users.
➢ Managing support functions covering planning, tracking, reporting, quality management and internal communication.
➢ Interact with business users and gathering requirements and discuss with vendor for the better enhancement of the project.
➢ Interact with Vendor for day to day progress in development and incident.

Project 10: **GCID (Global Component Inventory Databases) (Support and Enhancement)**

Client: Arrow electronics **Designation**: Technical Analyst (Team Size: 15) Period: JAN'13 to JAN'15

Project 11: **HRMS (Human resource management system) (Support and Enhancement)**

Designation: Functional /Technical Support (Team Size: 5)   Period: JAN'13 to JAN'15

➢ Day to Day interact with business and provide the 24/7 support based on incidents and support call and provide solution using agreed SLA.
➢ Attending meeting with Business team onsite and offshore for gathering requirement and create functional and technical documentation.
➢ Working with Leads to create the technical plan for new requirement.
➢ Understand the flow of data/architecture for the processes.
➢ Involved in Development of Database using Oracle 10g.Design and coding Oracle DB Packages, Procedures, Functions, Triggers and objects.
➢ Writing shell scripts based on the requirements/incident.
➢ Provide support to front end developer for DB objects and queries.
➢ Monitoring all log files for all Daily Scripts.

PERSONAL DETAILS			
Date of Birth:	22-06-1985	Languages:	English, Hindi, Diya (Mother Tongue)
Sex:	Male	Passport No:	K1000104
Nationality:	Indian	Marital Status:	Married

DECLARATION

I hereby certify that all the information provided here is correct to the best of my knowledge.

Date:

Place:

Satyabrata Kanungo