SAIKAT SENGUPTA
Senior Data Engineer, First Abudhabi Bank (FAB)
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CCA
cloudera
SPARK & HADOOP
DEVELOPER

PROFILE SUMMARY

- Offering around **8 years** of experience in **Data Modelling, Big Data Analytics, Data Science, BI Analytics, Data Visualization** and **Reporting**.
- **CCA Cloudera Certified Spark and Hadoop Developer**
- 6+ years of experience in Big Data Analytics involving development of data pipelines and near real time reporting using **HDFS, Hbase, Sqoop, Spark, Kafka, Hive, Impala, NIFI workflows.**
- Developed complex workflows in Big Data for data ingestion and fast retrieval.
- Expertise in **Core Java, Scala and Python, JavaScript**.
- 6+ years of experience with **Qliksense** reporting and **mashups** for building executive dashboards using angular, HTML and JavaScript
- 7+ years of experience in Data Modelling and Data warehousing using traditional database management systems and oracle reporting using **SQL, PLSQL, OBIEE 11G/12C, ODI** and **RDBMS**
- Good hands on experience in building **regression models** and **clustering** using **Python**
- Good hands on with popular data science libraries like **pandas, numpy, scikit-learn, seaborn, NLTK**
- Capable of writing and understanding **advanced PL/SQL, triggers, procedures** and **packages**
- Strong problem solving & technical skills

HIGHLIGHTS- BIG DATA

- Well versed with Hadoop stack, HDFS, Map Reduce, Spark, Sqoop, Pig, Hive, Impala and Kafka
- Expertise in Designing and Architecting Hadoop Applications and recommending the right solutions and technologies for the applications
- Created data pipelines for Social Media Analytics (SMA) bank portal which uses spark streaming to pull Facebook, Twitter and Instagram real time data into hive tables via Kafka which acts as a published subscribed model.
- Conduct in-depth research on Hive to analyze partitioned and bucketed data
- Used spark for massive parallel processing of huge batch data (approximate 40 Million records per day) from legacy databases to Hadoop as a part of migration activity and performance enhancement.
- Developed ETL framework using scala, spark and Hive (including daily runs, error handling and logging) to clean financial data and improve trend reporting.
- Importing and Exporting data into HDFS and Hive using Sqoop from relational databases
- Having good expertise on Hadoop tools like Mapreduce, HiveQL, PIG
- Performed cleaning and filtering on imported data using Hive and Spark for custom report requirement
- Built custom Hive UDF libraries which helped various business analysts to use them for Hive querying
- Log data stored in Hbase DB is processed and analyzed and then imported into Hive warehouse, which enabled end users to write HiveQL queries
- Extensive knowledge in troubleshooting codes used for designing data pipelines
- Populate hive tables with data coming from kafka sink
- Involved in designing and implementation of Hbase data flow
- Analyzed data by performing complex hive queries to learn customer behavior
- Integrated OBIEE and Qliksense with hive for front end reporting and custom portal designing
- Handled importing of data from various data sources, performed data transformations using Spark jobs and loaded data into Hbase

HIGHLIGHTS- Data Science

- Performed customer micro-segmentation for the bank in order to classify various groups of customers to understand lifestyle and behavior pattern for cross selling and up selling
- Used a hybrid approach of K-Means and K-Modes for segmentation
- Used logistic regression on bank data to predict customer churn on cards product
- Used random forest on bank data to predict customer churn on cards product
- Extremely hands on with Python and its popular data science libraries like pandas, numpy, scikit-learn, pytorch, seaborn, NLTK

HIGHLIGHTS- QlikSense

- Strong knowledge in designing and developing QlikSense dashboards by extracting data from different sources like Hadoop (Hive/Impala), Web Services, SQL Server, Oracle, SAP, Flat Files, Excel files, XML Files.
- Expert Knowledge in developing Qliksense Apps with proper data visualization, industry standard look and feel, complex load script and efficient data modelling.
- Experience in optimizing QlikSense applications to improve the performance.
- Solid experience in **developing QlikSense mashups with angular + bootstrap + javascript.**
- Developed two angular portals on Qliksense mashups: **Social Media Analytics** Portal and **Command Center** Portal.
- Fluent with fitting and visualizing Qliksense objects in mashup and thereby showing them in different portlet themes.
- Made mashups refreshed in every 20 seconds frequency using external batch files calling Qlik reload jobs at the set interval.
- Have sound knowledge in creating **roles, groups, security setup** (**w.r.t. groups, departments, etc.**) **and sheet level access**
- Developed QlikSense objects like Multi Boxes, Straight tables, Pivot tables, Containers, Line charts, Bar charts, Combo charts, Scatter charts, Line objects, Pie charts, Buttons.
- Proficient in troubleshooting and fixing the QlikSense dashboard issues.
- Created incremental load process to load the data into Qliksense applications from different source systems.
- Involved in Performance Tuning and Deployment of QlikSense applications.
- Experience on QlikSense Scripting, Section Access.
- Scheduled the jobs and distributed to end users from QMC.
- Experience in database programming, SQL, Tables, Views, Indexes, Joins, and Sub - Queries.
- Managing job failure analysis and production support for various applications.
- Understanding of data modeling, dimensional & relational concepts like Star-Schema Modeling, Snowflake Schema Modeling, Fact and Dimension tables; experience in Extract, Transform and Loading process of data.
- Developed Proof of Concepts for **Direct Discovery** feature to load the data from Hadoop.

EMPLOYMENT DETAILS

Feb'19- till date

Growth Path
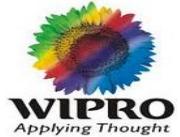
Feb'19 – Till date   Senior Data Engineer

Sep'11 – Jan'19

Growth Path

Sep'11 – Oct'12   Trainee
Oct'12 – Jun'15   Software Engineer
Jul'15 – Jan' 19   Senior Software Engineer

CERTIFICATION DETAILS

- **CCA175**- Cloudera certified Spark and Hadoop Developer
  Credential holder: Saikat Sengupta
 **License:** 100-020-419

ACADEMIC DETAILS
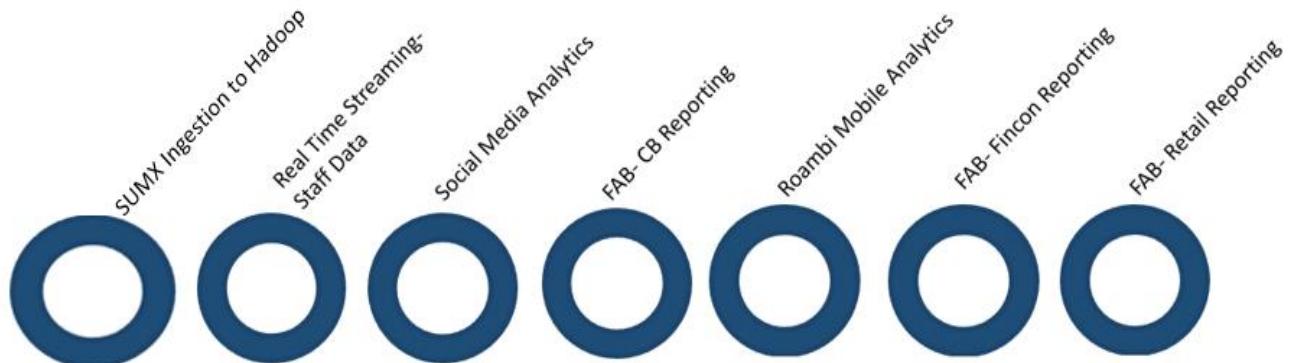
- B.Tech. in Computer Science & Engineering from Academy of Technology, Hooghly, Kolkata, West Bengal University of Technology in 2011 with 87%
- XII from Methodist School, Dankuni, Hoogly, West Bengal. ISC Board. Passed in 2007 with 80%
- X from Methodist School, Dankuni, Hoogly, West Bengal. ICSE Board. Passed in 2005 with 83%

ACCOMPLISHMENTS

- Nominated for Extra Mile award for Q2-2019 for successfully delivering end to end transformation on daily/monthly Financial Key KPI reporting from legacy DWH system to Hadoop which had benefited the end users massively w.r.t performance.
- Won the best SpringBoard project delivery team award to complete successfully the first integration project for CBUAE from FAB.
- Won spot awards for Wipro Quarterly Employee for 2017.
- Got huge appreciation for successfully delivering Social Media Analytics (SMA) portal for the bank- a product based on Qliksense and hadoop ecosystem that constantly monitors customers demand and expectation from the bank via social channels like Facebook, Twitter and Instagram.
- Appreciated for efficiently leading an offshore team of five members for FGB - T&M production support from onsite.
- Awarded with the best delivery team for successful completion of FGB- CENTRALBANK automation project.
- Awarded employee of the quarter for successful completion of FGB Fincon project.
- Got appreciation on completion of FGB RETAIL module for using multiple new OBIEE approaches to build reports & dashboards.

SUMX Ingestion to Hadoop

Real Time Streaming- Staff Data

Social Media Analytics

FAB- CB Reporting

Roambi Mobile Analytics

FAB- Fincon Reporting

FAB- Retail Reporting

PERSONAL DETAILS

Date of Birth: 16th January, 1989
Languages Known: English, Hindi and Bengali

PROJECT DETAILS

PROJECT   : Financial ONESUMX daily data ingestion and regulatory reporting
COMPANY NAME : First Abudhabi Bank
JOB TITLE   : Senior Data Engineer
DATES   : May-19 to Present
LOCATION   : Abudhabi

SUMMARY: FAB financial regulatory reporting shifted to a new accounting source ONESUMX post bank integration. The volume of data received on a daily basis is huge and approx. 40 million records every day. Due to the huge volume of data at contract/customer/GL level, regulatory reporting had a tremendous performance report which uses last 24 months trends in many reports. This is where we decided to move the entire regulatory reporting to Hadoop via Qliksense.

ENVIORNMENT: Linux,
TECHNOLOGIES: Cloudera CDH 5.8, SQL Server, Oracle Big Data Appliance, Spark 2.2.0 and Scala 2.11

RESPONSIBILITIES:

- Gathered business requirement from the group finance team and regulatory team as to what they want to explore and their pain areas in terms of performance.
- Understand business problem, did requirement analysis and then proposed a suitable data model and data ingestion framework using Hadoop capabilities.
- Led a team of 4 members.
- Distributed modules among our members' w.r.t. development and transformation activities handling the complex ones myself.
- Performed code reviews and maintained versioning.

- Used SQOOP to pull incremental data from ONESUMX database on daily basis based on the update flag, timestamp and stage it into Hadoop ecosystem.
- Performed various complex transformations on the data using Spark Dataframe operations and Spark –SQL based on the business logics provided
- Performed incremental spark load to the target Hadoop tables.
- All spark transformations are written using scala, it being very compatible with spark framework.
- Datasets prepared using spark transformations uses spark partition to leverage benefits of scalability.
- Data written in parquet format with snappy compression to make read a lot faster for trend reporting and analysis.
- Created partitioned and bucketed hive tables based on daily/monthly partitions and frequently used fields.
- Repartitioning and computing partition stats performed on daily basis for these huge hive tables, making performance faster for Qliksense/OBIEE reports.
- Reduced total load time of financial data from ONESUMX to Hadoop data-lake along with transformations within 30 minutes compared to 3.5 hours in legacy oracle data warehouse.
- Used apache NIFI to create ETL workflow to call the jobs on daily basis using various processors available in NIFI framework.

PROJECT   : **Customer Segmentation- Data Driven Analytics**
COMPANY NAME : First Abudhabi Bank
JOB TITLE   : **Senior Data Engineer**
DATES   : **Jan-19 to Apr-19**
LOCATION   : **Abudhabi**

SUMMARY: FAB marketing team wants to target their potential customers for cross-selling and up-selling of products. For this sole purpose they wanted to have a 720 view on the customer lifecycle based on their exposure with the bank, their credit history, their digital engagement, etc. Thus segmenting customers w.r.t. their behavior would help the team to target common customers with similar products others belonging to the same segment shares. Besides, this would also help them to launch new marketing campaigns targeting certain segments of customers.

ENVIORNMENT: Linux,
TECHNOLOGIES: Qliksense,Cloudera CDH 5.8, SQL Server, Oracle Big Data Appliance, Spark 2.2.0 and Scala 2.11

RESPONSIBILITIES:

- Gathered business requirement from the marketing team along with a data scientist.
- Understand business need, did deep down querying using hive/impala along with business to understand the type of customers they want to target picking certain customers of common behavior.
- Build complex spark transformation to bring in all the data required w.r.t. customer transaction, credit history, spends, digital engagement, complaints history into a single snapshot view.
- Used spark batch processing capabilities to load the snapshot month on month into hive metastore.
- Extensively used python for exploratory data analysis on top of the snapshot tables.
- Build python scripts to create dummy variables, additional flags and cleaning redundant fields to output a final dataset that can be used to fit the model.
- Used python scripts to build a hybrid approach of K-Means and K-Modes for segmentation on the dataset created
- Stored the model output into hive tables

- Used the output table along with other demographic tables to create Qliksense dashboard doing the story telling of the segments.
- Provided the marketing team with the Qliksense dashboard for their day to day use where they can do adhoc analysis on required segments to target customers for running campaigns/sell products etc.

PROJECT : **Near Real-Time Streaming of Staff Attendance LOG Data (POC)**
COMPANY NAME : **Wipro Limited**
CLIENT : **First Abudhabi Bank**
JOB TITLE : **Senior Software Engineer**
DATES : **Jul-18 to Dec-18**
LOCATION : **Abudhabi**

SUMMARY: FAB has its user's single sign on and PC login maintained by a third party Imprivata SSO. The third party has all the log details of all the users who have logged in at what time intervals along with first and last login time. The objective of this POC was to create a dashboard in OBIEE which at any given point of time when refreshed will show the latest set of users who are non-active for long hours, how many bank staffs are present as on that day, how many have been inactive for half of the day, etc.

ENVIORNMENT: Linux, Windows Server
TECHNOLOGIES: Cloudera CDH 5.8, Oracle Big Data Appliance, Spark 2.2.0 and Scala 2.11

RESPONSIBILITIES:

- This POC was completely performed end to end by me.
- Imprivita SSO configured to put the log files at certain interval of time into a specific folder. This was fed as the real time streaming source.
- Created a workflow using spark streaming which will continuously ingest data from the specific folder into HDFS.
- Data being read and transformations done using Spark-SQL written in scala in near real-time frequency and the aggregated data being stored into hive metastore.
- Hive tables/ Impala metadata refreshed every 10 seconds using command line call shell script. The shell script is called using scala everytime after performing the data ingestion.
- Impala tables are hit very 5 second from Qliksense app using impala connectors which then pull and show the data in dashboard.
- Qliksense dashboard will show various KPIs, bank is interested to measure w.r.t. their staff attendance.
- Staffs which are not regular are also reported to their managers via certain business criteria.
- Qliksense will generate and send emails to managers of the staff who are taking irregular leaves for monitoring purpose.

PROJECT : Social Media Analytics (SMA)
COMPANY NAME : Wipro Limited
CLIENT : First Abudhabi Bank
JOB TITLE : Senior Software Engineer
DATES : Jan-17 to Feb-18
LOCATION : Abudhabi

SUMMARY: FAB as a bank is well known for being active with its customer base in social media especially with channels like Facebook, Twitter, Instagram and LinkdIn. A lot happens in these social channels on day to day basis that can help the bank to know their customers better. To know what their customers feel about the services and products, the data must be analyzed. SMA is such a platform for the bank which collects all the social data for the bank, analyze them and portray the sentiments of the customers, detail comments from customers, their likes, shares, tweets, retweets, etc.

ENVIORNMENT: Linux, Windows Server
TECHNOLOGIES: Qliksense, Cloudera CDH 5.8, Oracle Big Data Appliance, Scala 2.11 (and above), Spark 1.6.0

RESPONSIBILITIES:

- Worked as Senior Hadoop developer and as a Qliksense expert.
- Gathered business requirement from the bank's marketing team as to what all KPIs they need to monitor and what are the focus areas.
- Build an intranet web portal for Social Media Analytics for the bank using Qliksense mashup. The mashup uses Angular JS framework along with bootstrap.
- Build core java classes to call Twitter API (Twitter4j) to bring in Twitter data into our Hadoop platform.
- Developed twitter streaming using twitter streaming API along with Spark streaming to provide a full end to end real-time data flow.
- Build core java classes to call JSON based Instagram API to bring in social data into our Hadoop platform.
- Build core java classes to put these social data into hbase tables for easier updated and deletes.
- Built sqoop jobs to import data from MYSQL, Oracle and SQL-Server database to our Hadoop data lake.
- Performed entire end to end automation of social data flow via batch files to our hadoop ecosystem for pulling in history data.
- Used shell scripting to refresh backend hive/impala/hbase tables every 10 seconds to provide real-time read capabilities to the viewers.
- Used apache NIFI to create ETL workflow to simulate all these independent jobs into a single data pipeline. This helps in maintaining the work flow in a seamless manner for maintenance and troubleshooting in case of any failure.
- Used shell scripting to automate batch loads using Sqoop.
- Designed Qliksense data model to cater different kind of views required for analytics purpose.
- Wrote Qliksense data load scripts for various channels w.r.t. to the different types of aggregate and non-aggregate tables required from Hive/Impala.
- Created multiple dashboards to cater different views w.r.t. SMA.
- Written angular JS scripts to call Qliksense app in order to incorporate each of the views available in the app into the mashup.
- Automated mashup refresh every 5 seconds for real-time feel.

PROJECT   : Value Added Analysis- ROAMBI Mobile Analytics
COMPANY NAME : Wipro Limited
CLIENT   : First Abudhabi Bank
JOB TITLE   : Senior Software Engineer
DATES   : Jul-16 to Oct-16
LOCATION   : Abudhabi

SUMMARY: ROAMBI was introduced as the FGB mobile reporting platform. This platform was meant for all the group heads and Value added analytics was a key initiative from the finance control team as they were owners of the bank's P&L numbers. We were supposed to create multiple crisp dashboard views for mobile analytics to view them via I-Phones and I-PADS and release them to the group heads of the bank who needs to have comparative figures on monthly basis to monitor bank's P&L, etc.

ENVIORNMENT: Linux, Windows Server, Iphones, Ipads,
TECHNOLOGIES: OBIEE, Cloudera CDH 5.8, Oracle Big Data Appliance, Scala 2.11 (and above), Spark 1.6.0

RESPONSIBILITIES:

- Worked as Hadoop and ROAMBI Developer developer
- Gathered business requirement from Finance Regulatory team w.r.t. what all balance Sheet and P&L KPIs they are aiming to show as crisp dashboard views to the higher management of the bank.
- Discussed with business as to what kind of views will satisfy their consolidated requirement on mobile reporting and have developed the same for their ongoing mobile analysis.
- Installed RoamBI and configured it with OBIEE for deployment of mobile analytics for FGB.
- Acted as an onsite lead for developing dashboards from various ROAMBI views provided in Roambi publisher (namely CARDEX, Layes, PIE, Pulse, etc) for various departments of the bank.
- OBIEE was communicating with Hive and Impala tables in Hadoop where these KPIs and other GL level data is stored
- Used sqoop for batch loading of transaction and customer related tables in Hadoop
- Used spark for doing transformation and building logics for required KPIs and then storing them into summary tables in hive metastore.
- Used hive and Impala for querying and UAT testing with finance users on the numbers shown in KPIs.

PROJECT   : First Abudhabi Bank- Central Bank (CB) Regulatory Reporting
COMPANY NAME : Wipro Limited
CLIENT   : First Abudhabi Bank
JOB TITLE   : Senior Software Engineer
DATES   : Aug-15 to May-16
LOCATION   : Abudhabi

SUMMARY: First Gulf Bank- Central Bank (CB) reporting involved integration of Oracle Business Intelligence with the reports which First Gulf Bank submits on monthly & quarterly basis to the Central Bank of UAE. The purpose of this project is to automate the central bank reporting for First Gulf Bank so that they can provide automated reports on monthly & quarterly basis to the Central Bank of UAE. There were

total 50 Central Bank reports or BRFs to be developed as a scope of this project- 18 monthly reports and 32 quarterly.

ENVIORNMENT: Linux

TECHNOLOGIES: OBIEE 11g (Ver.11.1.1.7.1 latest), Oracle 11g, SQL Developer, Toad, Cloudera CDH 5.8, Oracle Big Data Appliance, Scala 2.11 (and above), Spark 1.6.0

RESPONSIBILITIES:

- Worked as Senior OBIEE/ETL and Hadoop developer with a team of five members from offshore
- Created technical specification (TS) documents for both ETL and OBIEE reporting.
- Prepared LLD (low level design documents) based on the RA sheet for reports development.
- Used SQOOP for incremental batch loading of central bank related aggregate tables into Hadoop
- Used Hive and Impala to run select on aggregate and do data recon and adhoc analysis for business users
- Accountable for modeling the flow of data by introducing aggregates that can help in achieving the central bank reports in OBIEE as per the desired requirement
- Modelled RPD, extensively used complex joins, time-series calculations and aggregate awareness to cater reporting requirement.
- Used various RPD level calculations involving OBIEE functions- time series function, ago function and evaluate function
- Carried out unit testing and quality testing on the reports for timely report generation
- Written complex PL/SQL packages for custom Central Bank reports involving complex logic to cater the fixed reporting formats of CB UAE.
- Loading of manual files from flat files to oracle landing tables as a part of interface creation (developing mapping) using ODI.
- Populating landing tables to staging and thereby target using ODI mappings.
- Performed various transformations in ODI while populating data from source to landing, staging and target to provide the required business rules for the tables.

PROJECT : First Gulf Bank- T&M
COMPANY NAME : Wipro Limited
CLIENT : First Abudhabi Bank
JOB TITLE : Software Engineer
DATES : Jun-14 to Jun-15
LOCATION : Abudhabi

SUMMARY: The project dealt with FGB production support, enhancement and new development on the existing data model on which **Retail, FINCON, Central Bank, Segmental, COPS and Customer Data Mart** reports were developed & delivered. The basic agenda for T&M was to provide OBIEE administration and support for the pre-existing developed reports and to develop & deliver new reports on business users' demand following the FGB JIRA process, a process to keep track of new developments and change requests on the existing production environment.

ENVIORNMENT: Linux, Windows erver
TECHNOLOGIES: OBIEE 11g (Ver.11.1.1.5), Oracle 11g, SQL Developer, Toad, PL-SQL

RESPONSIBILITIES:

- Worked as OBIEE Administrator/Developer for the enhancement & development of new reports on the existing FGB data warehouse system mode- Alchemy.
- Leading a team of five members from offshore for all new development and enhancement on the existing datamart.
- Worked in coordination with the clients for requirement gathering on various new analysis demanded as a part of new development & enhancement of already existing reports
- Developed:
  - Functional Specification Document (FSD) for the new developments where detail functional specifications were given regarding the new developments
  - Technical Specification Document (TSD) for the new developments where detail technical specifications were given as to how to develop the reports from technical prospective using OBIEE/PL-SQL/SQL
- Engaged in enhancement of data-modeling to suffice the new requirements on the existing data mart.
- Engaged in designing RPD as per the new development requirements
- Conducted unit testing of the developed reports
- Carried out integration and system testing on reports before releasing them for production go live
- Handling production OBIEE administration.
- Handling production bug fixing and FGB end business user support.

PROJECT   : **FINCON Financial Reporting**
COMPANY NAME : **Wipro Limited**
CLIENT   : **First Abudhabi Bank**
JOB TITLE   : **Software Engineer**
DATES   : **May-13 to Mar-14**
LOCATION   : **Abudhabi**

SUMMARY: The project was based on the integration of Financial Control Unit of FGB with Oracle Business Intelligence. The project aimed at providing BI generated reports based on monthly & yearly data which will help the bank in analyzing their business w.r.t. the present market. The project dealt with the implementation of BI reports for seven different sections: Bank Pack, Segment Pack, Accounting Unit, Variance Pack, Treasury, Business Market Size (BMS) and APR.

ENVIORNMENT: Linux, Windows server
TECHNOLOGIES: OBIEE 11g (Ver.11.1.1.5), Oracle 11g, SQL Developer, Toad, SQL

RESPONSIBILITIES:

- Worked as OBIEE developer
- Generated:
  - 40 business reports and 10 dashboards
  - Various reports (pivots, charts, tabular) using global and local filters
  - Various customized reports (Drilldown & Aggregation) to meet client requirements
  - Custom reports/ad-hoc queries using OBIEE analysis and assigned them to application specific dashboards
- Worked in various units of FINCON viz. Accounting, Segment, Variance and Financials Units

- Developed:
  - Hierarchy based mapping and reporting
  - Aliases, views and table joins as part of design implementation in RPD
  - Templates for presenting results & analytics and modified the OBIEE Dashboard using cascading style sheets
- Involved in importing physical schema into BI platform and designed & deployed RPD
- Mapped configurations to accommodate for the hierarchy via chart drilldowns
- Used new alternatives for developing OBIEE reports with techniques like- Hidden Prompts, GoURL, Condition Based Report Swapping, navigation cum drill combination and developing a single report based on multiple sub reports
- Rendered support in creation of pivot table request allowing Manager to analyze the business from different perspectives provided optimized analytics request using column selector
- Wrote logical queries in OBIEE and logical views at RPD level for report feasibility with complex business logic

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PROJECT   : **RETAIL Reporting**
COMPANY NAME : **Wipro Limited**
CLIENT   : **First Abudhabi Bank**
JOB TITLE   : **Software Engineer**
DATES   : **Jan-12 to Mar-13**
LOCATION   : **India**

SUMMARY: The project was based on the integration of the retail unit of FGB with Oracle Business Intelligence. The project aimed at providing BI generated reports based on daily, monthly & yearly basis based on card transactions & collections. The project dealt with the implementation of BI reports for five different sections: Card BDU, Credit & Collections, Retail Deposits, Channels & Branches and Wealth Management.

ENVIORNMENT: Linux, Windows erver
TECHNOLOGIES: OBIEE 11g (Ver.11.1.1.5), Oracle 11g, SQL Developer, Toad, SQL

RESPONSIBILITIES:

- Worked as a junior OBIEE developer
- Generated 20 business reports and 5 dashboards
- Worked on various units of Retail namely- Card BDU, Credit & Collections and Retail Deposits
- Reviewed FGB working sheets and tallying it with OBIEE reports by providing additional logics & filters that are applicable with respect to the reports.
- Imported physical schema into BI platform and have designed and deployed RPD
- Created Aliases, views, table joins as part of design implementation in RPD
- Identified the granularity level of data required to be available for analysis.
- Developed different kinds of Reports (pivots, charts, tabular) using global and local Filters.
- Created different types of Customized Reports (Drilldown, Aggregation) to meet client requirements
- Generated various Analytics Reports like Formulary Report and Direct Sales Report using global and local filters
- Mapped the configurations to accommodate for the hierarchy via chart drilldowns
- Developed custom reports/Ad-hoc queries using OBIEE analysis and assigned them to application specific dashboards.
- Unit tested against database to match values against reports in OBIEE end.