**Sainath Vangapally**

Sr. MicroStrategy Developer

# **Professional Summary**

* Around 7 years of IT experience involved in various stages of the System Development Lifecycle (SDLC) from requirements gathering analysis, modeling, case diagrams, documentation, implementation including maintenance and support.
* Involved in all phases of **SDLC** from analysis, design, development, testing, implementation and maintenance.Experience in full life cycle development of projects involving development, implementation in **Microstrategy 2019,10.X and 9.X**
* Complete BI project life-cycle development experience and expertise in Development levels in MicroStrategy products **including Developer, Intelligence Server, Web, Architect and Command Manager, Integrity Manager, Object Manage**r.Involved in the creation of Schema objects like **Attributes, Facts, and Hierarchies & Tables.**
* Expertise in developing Application objects like **Filters, Advanced Metrics (**with all components**), custom Groups, consolidations, Drill Maps, Templates & Reports.**Created prompts in reports to add **interactivity for users.**
* Used **Data Blending in Visual Insight/Standard dashboards** to display data from different levels of intelligent cubes.Expertise in creating **Free Form SQL reports**.Optimizing the **Report Performance** using VLDB Setting, Caches and Indexes.Willingness and ability to quickly adapt to new environment/system
* Expert in developing Application Objects (filters, prompts, metrics, Custom Groups, Consolidations, DrillMaps, Templates, Searches) developed Reports, Documents and Dashboards. Worked on OLAP features like derived metrics, pivoting, page-by, subtotals and sorting.
* Had knowledge in OLAP services like derived elements, view filter, intelligent cubes and dynamic aggregation. Experience in MicroStrategy Report development, Report testing, Report tuning, Ad-hoc, scheduling report delivery and Alerts and also experienced in maintain and modify existing projects, applications and reports as required. Expertise in migration of Projects/Objects between different environments. Created compound Metrics forcing dimensionality and conditionality Built Complex level metrics to achieve the required results intended by business.
* Created automated events used to deliver reports in email in several formats HTML (email body), PDF and excel spreadsheets. Created Documents for several business s subject areas such as Email health, Goods, Getaways, Financial, Refunds using various grids and graphs.
* Implemented best practices like choosing right visualizations, planning outline and creating right datasets to enhance Dashboard performance. Designed and Developed Dynamic Dashboards using various panels, selectors and widgets. Experienced in Architecture process of creating **Schemaobjects** with **MicroStrategy** Desktop like simple **and** compound Facts, Attributes, Fact extensions, Hierarchies, Transformations.
* Experienced in designing & development of **Report Service Documents, Web/ Mobile/ Visual Insights Dashboards** with multiple datasets.Created **Dynamic Dashboards & Score Cards** using features like **Panel Stacks, Selectors and Widgets** like Time Series Slider, Interactive Bubble Chart, Thermometer, ESRI Map, Data Cloud, Heat Map etc.
* Experienced in **performance tuning** of Web & Mobile Dashboards for better **user experience**.Created variety of dashboards including Operational Analysis, Offer & Campaign Analysis, Sales Analysis, Executive Summary, Financial Summary & KPI Dashboards.
* Proficient with different data base systems like SQL Server, Teradata, Oracle, Netezza, PostgreSQL and DB2.Experienced in maintaining and creating database objects like tables, views, indexes, sequences, synonyms etc.,
* Experienced in development of stored and application procedures, packages, database triggers and functions. Excellent communication skills and ability to work in group as well as independently with minimum supervision and initiative to learn new technologies and tools quickly.

# **Technical Skills**

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| **OLAP Tools** | Microstrategy 2019, 10.x and 9.x. |
| **ETL Tool** | Informatica 8x/9x |
| **Databases** | Oracle, SQL Server |
| **Tools** | HP Sevice Desk, JIRA |
| **Programming    Languages** | SQL, PL/SQL, Java, C++, HTML, Java Script |

# **Work Experience**

## **Ally Financial, Detroit, MI Nov 2018 to Present**

### **Sr. MicroStrategy Developer**

* The main objective of the project is to design the reporting layer for Profit and Loss functionalities. The reporting layer was developed for Trend, Adjustments, Reconciliation among different product processors. Gathered functional and non-functional client requirements in order to optimize the design of BI deliverables (reports, dashboards, alerts, visualizations).
* Responsible for gathering requirements and designing the semantic layer for MicroStrategy Reporting.
* Worked on Designing Dashboards for Adjustments, General Financial reports like General Ledger, Balance Sheet, reconciliation trend report, Price verification of different financial products received from Product Processors.
* Extensively worked with MicroStrategy desktop in creating attributes, facts, metrics, hierarchies, transformations, hierarchies, custom groups, prompts to be used in generating reports according to the needs of business.
* Involved in developing MicroStrategy logical data model which include identifying and creating numerous MicroStrategy attributes, hierarchies, facts-metrics, filters, prompts, drill maps, auto styles, search objects, transformations and templates using MicroStrategy Developer and Web.
* Creating Dashboards using multiple datasets. Publishing intelligent cubes and designing creative dashboards, which was a combination of KPI’s and summary reports with respect to domain.
* Designing and deciding the datasets optimally, so as to decrease the loading time and increase the performance of the dashboard. Dashboards which are even at item level used to load in less than 30seconds.
* Other difficulties like using grid as a text, Links with grids and micro chart, sorting issues, formatting issues with gauge widget etc. were successfully taken care off. Worked with Schema Objects. Worked with Public Objects.
* Worked with MicroStrategy Object Manager. Worked with MicroStrategy Command Manager. Importing tables to MicroStrategy using Warehouse Catalog or Architect.
* Importing tables to MicroStrategy using Warehouse Catalog or Architect. Involved in developing MicroStrategy logical data model which include identifying and creating numerous MicroStrategy attributes, hierarchies, facts-metrics, filters, prompts, drill maps, auto styles, search objects, transformations and templates using MicroStrategy Developer and Web.
* Creating Dashboards using multiple datasets. Publishing intelligent cubes and designing creative dashboards, which was a combination of KPI’s and summary reports with respect to their domain.

### **Tools Used:** MicroStrategy 11.0, Informatica 9.6.1, Oracle

## **Norwegian Cruise Line, Miami, FL Mar 2017 to Oct 2018**

### **MicroStrategy Developer**

* Handled multiple responsibilities as Team Lead, Microstrategy Architect &Sr. MicroStrategy Mobile/ Web Dashboard Developer for various projects. Responsible for converting business specifications into technical specifications.
* Developing, Maintaining, Enhancement, testing and leverage the enterprise Reports based on clients’ needs. Designed and developed advanced grid reports, documents, Web & Mobile dashboard Applications for different clients.
* Created Dynamic Web, Mobile & Visual Insights Dashboards using features like Panel Stacks, Selectors, Information Windows and Widgets like Time Series Slider, Interactive Bubble Chart, Thermometer, ESRI Map, Data Cloud, Heat Map etc. Created Dynamic Dashboards showing Daily/Weekly/Monthly/Yearly performance metrics using various graphs and widgets.
* Created and modified MicroStrategy Schema objects (such as Attributes, Facts, Hierarchies, Transformations etc.), Application Objects (such as Reports, Documents, Metrics, Filters, Prompts, Templates, Consolidations, Custom groups etc.) and Configuration Objects (such as project, database instances, users, user groups, security role etc.) using Micro strategy Developer and/or Web.
* Created complex metrics involving MTD/YTD Transformations and Level Dimensionality. Troubleshooting MicroStrategy objects like Attributes, Facts, Transformations, Metrics, Prompts, Filters, Templates, Consolidations, and Custom Group. Created Intelligent Cubs to improve performance. Used Distribution Services for timely distribution of reports to users. Worked in Microstrategy Administration creating new users, roles, privileges, shared folders, access controls lists.
* Used the VLDB properties for performance tuning and SQL optimization. Created Free-Form SQL reports for short-term reports, ad-hoc requests that are not supported by existing schema model. Involve in a complete life-cycle development process including DEV, UAT and PROD
* Performed Customer requirements gathering, Analysis, Design, Development, Testing, End User Acceptance presentations and Implementation. Initial Environment setup of MicroStrategy, which includes Database instance creation, user, Project configuration settings.
* Importing tables to MicroStrategy using Warehouse Catalog or Architect. Involved in developing MicroStrategy logical data model which include identifying and creating numerous MicroStrategy attributes, hierarchies, facts-metrics, filters, prompts, drill maps, auto styles, search objects, transformations and templates using MicroStrategy Developer and Web.
* Creating Dashboards using multiple datasets. Publishing intelligent cubes and designing creative dashboards, which was a combination of KPI’s and summary reports with respect to their domain.
* Designing and deciding the datasets optimally, so as to decrease the loading time and increase the performance of the dashboard. Dashboards which are even at item level used to load in less than 30seconds. Applied thresholds in reports according to the client requirement
* Generated and implemented MicroStrategy reports by using Attributes, Facts, Hierarchies, Metrics, Filters, Consolidations, Custom Groups, Prompts, Drill Maps and templates using MicroStrategy Desktop.
* Moving objects from lower environment to upper environment using object manager.

### **Tools Used:** MicroStrategy 10.4, SQL Server 2012, Windows

## **Affirmed Networks, Acton, MA Oct 2015 to Feb 2017**

### **MicroStrategy Developer**

* Involved in requirements gathering by interacting with the Internet Business Users. Created Metadata Repository, Statistical tables and Intelligence Server on MicroStrategy Desktop using the Configuration Wizard. Created complex custom groups using hierarchy to overcome the restriction of MicroStrategy where total on columns and average on rows cannot be calculated at the same time.
* Worked on T-SQL to write complex queries involving multiple tables to generate a customized report and built ad-hoc reports using SSRS. Developed OLAP cubes and dimensions using SSAS and also worked on DTSX packages in SSIS.
* Worked on OLAP/ROLAP Star schema and Snowflake modeling, Fact lookup and Dimensions tables using Erwin. Involve in a complete life-cycle development process including DEV, UAT and PROD
* Performed Customer requirements gathering, Analysis, Design, Development, Testing, End User Acceptance presentations and Implementation. Initial Environment setup of MicroStrategy, which includes Database instance creation, user, Project configuration settings.
* Importing tables to MicroStrategy using Warehouse Catalog or Architect. Involved in developing MicroStrategy logical data model which include identifying and creating numerous MicroStrategy attributes, hierarchies, facts-metrics, filters, prompts, drill maps, auto styles, search objects, transformations and templates using MicroStrategy Developer and Web.
* Creating Dashboards using multiple datasets.Creating 80+ template Reports with smart Intelligence in sales, inventory & Customer modules. A product level implementation for MicroStrategy product environment.Responsible for version 4 product implementation which includes the creation of schema objects and Intelligent cubes.
* Developed Filters (Relationship, joint element list, comparison) for complex reports.Creating several users and user groups with restricted access using security filters.Eye blinking animations captivated the customers and inculcated Interest in them. Usage of Information windows in web. Used more than 100’s of information window.
* Inserted images in the dashboards to impart professional look.Conditional formatting using thresholds. Disappear the values when the selections are not made.Using IPAD widgets like Heat map, Map widget, interactive grid and setting properties, popup, formatting etc. Configuring them in IPAD.Creating Public Objects like Metrics, Prompts, Drill Maps etc.Creating Reports using Schema & Public Objects (Ad-hoc Reports & Complex Reports)
* Creating Dashboards using multiple datasets.Writing Test cases to perform Unit Testing.Moving objects from lower environment to upper environment using object manager.Created Dynamic Dashboards showing Daily/Weekly/Monthly/Yearly performance metrics using various graphs and widgets.
* Created database instances on different environments and source systems.Designed and customized reports in Development, UAT and Production phases to supply the business with improved flexibility and functionality. Used **Distribution Services** for timely distribution of reports to users.Used the VLDB properties for performance tuning and SQL optimization.

### **Tools Used:** MicroStrategy 10.4, Oracle, Windows NT

## **Firstsource, Mumbai, India Oct 2014 to Aug 2015**

### **MicroStrategy Developer**

* Designed and Developed Customized Attributes, Hierarchies, Facts, Metrics, Filters, Prompts, Custom Groups, Consolidations and Reports.Extensively used Pass-through (Apply Functions) expressions to pass special functions.Used the Microsoft windows performance monitors to supplement Administration monitors in MicroStrategy intelligence server. Understood and created a project in a 4-tier via MicroStrategy web.
* Identified the purpose of governing and set server and project level governors. Created the default startup mode for MicroStrategy intelligent server, listed and defined the multiple methods for manually starting and stopping MicroStrategy Intelligent server.
* Designed, Developed and altered html Document objects placing multiple reports on it in Grid as well as Graph View applying XSL and XML formatting for each in the process of automating IT Dashboard reports. Tested all the reports by running queries against the warehouse-using TOAD. Also compared those queries with the MicroStrategy SQL engine generated queries.
* Reduced the run time for the reports by monitoring the VLDB properties like star join, query and sub query optimizations for oracle 9i and SQL hints. Configured MicroStrategy logins with LDAP accounts. Played a key role in User Acceptance Testing of the reports. Created transformations using transformations by tables for YTD (Year to date), MTD (Month to date) and WTD (Week to date) analysis.
* Used MicroStrategy Narrowcast Server to monitor the business data and alert the users to unexpected exceptions and trends.Designed and used MicroStrategy report services extensively to generate reports.
* Clear understanding of procedures for grouping and sorting records in a MicroStrategy report services documents. Used advanced properties of report services like creating hyperlinks, drilling, using datasets, advanced metric calculation and so on. Creating Report Requirement Documents.
* Importing tables to MicroStrategy using Warehouse Catalog.Creating Schema Objects like Attributes, Facts & Hierarchies.Used MicroStrategy Desktop in creating different Reports to meet the in-house BusinessRequirements. Identified Hierarchies of Dimensional model and configured them according to end userrequirements. Developed Filters (Relationship, joint element list, comparison) for complex reports.Creating Public Objects like Metrics, Prompts, Drill Maps etc.Creating Reports using Schema & Public Objects (Ad-hoc Reports & Complex Reports). Creating Dashboards using multiple datasets.Writing Test cases to perform Unit Testing.

### **Tools Used:** MicroStrategy 9.4.1, Oracle, Windows NT

## **Persistent Systems, Pune, India May 2013 to Sep 2014**

### **MicroStrategy Developer**

* Involvement in application maintenance activities and implementation.Extensively used different types of filters, consolidations and custom groups to generatethe reports for Business analysis. Importing tables to MicroStrategy using Warehouse Catalog.
* Creating Schema Objects like Attributes, Facts & Hierarchies.Developed Filters (Relationship, joint element list, comparison) for complex reports.Creating Public Objects like Metrics, Prompts, Drill Maps etc.a

Creating Reports using Schema & Public Objects (Ad-hoc Reports & Complex Reports)

* Creating Dashboards using multiple datasets.Writing Test cases to perform Unit Testing.Moving objects from lower environment to upper environment using object manager.Taking regular backups of the Production Metadata in SQL Server Database.
* Created advanced grid reports, consisting of data analysis by combining a template with filters. The end-users were able to generate ad-hoc report by drilling up, down, within and across dimension or anywhere.
* Responsible for the listing up of Object Manager sheets and worked closely with the COE during code migrations from Development to UAT and from UAT to Production.
* Highly interacted with the Testing group to make them better understand various operational reports and Business Performance Measurements functionalities. Was involved in educating the Corporate Workplace Executives the effectiveness of the developed MicroStrategy Reports and Scorecards and their flexibility.
* Used conditional formatting feature to project trends for product sales and to enhance grid and graphs in documents. Designed an efficient BI Dashboard for the Company Executives, through efficient use of Report Services.
* Played major role in MicroStrategy Desktop, Web and Narrowcast Server configurations. Extensively worked to develop Free Form SQL reports for transactional analysis requirements. Extracted and analyzed data from the database using SQL to troubleshoot reports as needed using MicroStrategy ODBC Test tools. Solely and successfully developed the data model (snowflake) for one of the internal projects using Erwin.

### **Tools Used:** MicroStrategy 9.3.0, SQL Server 2008, Windows NT

# **Education**

* Bachelor’s Degree in Electronics and Communication Engineering from JNTU-H