**NIKHIL S**

**Senior Business Systems Analyst**

**Professional Summary:**

Highly professional individual working as a Senior Business Systems Analyst and an expert with a proven track record of working in self-organized, cross-functional teams in delivery of high-quality solutions in IT with domain experience in Financial Sector.

**Experience Highlights:**

* 8 years of IT experience in handling role of Business Analyst using **Agile** and **Traditional Methodology**.
* Worked for different **Software Development Life Cycle (SDLC)** methodologies like **Waterfall**, **Scrum**, **Scrum-waterfall hybrid**, **Scaled-Agile Framework (SAFe)**, **Kanban** **Extreme Programming**, and **Rational Unified Process**.
* Expertise and knowledge in **Risk Management,** **Fixed Income Securities**, **Derivatives**, **Equities**, **Mortgage Backed Securities (MBS), Portfolio Management, Investment Banking**, **Mortgages,** **Foreign Exchange trading.**
* Understanding of **General Ledger** and **Account Reconciliation, SOX, Dodd Frank, SEC, FINRA, BASEL Framework (1,2 and 3) and CCAR** compliances used in the industries with their effects on the project.
* Experienced in performing **SWOT** analysis, **GAP** analysis to understand the **AS-IS** and **TO-BE** state of the software.
* Assisted in developing **Project Management Plan (PMP)**, **Project Charter**, **Cost Benefit Analysis, Feasibility Studies.**
* Worked in **Business Analysis**, **Requirements Elicitation** using **Joint Application Design** (**JAD**), Document Analysis, **Requirement Workshops**, **Interviews**, Brain Storming, Focus Groups, Observation and Interface Analysis.
* Possess intricate documentation skills, ability to create **Business Requirements document (BRD), Functional Specification document (FSD), Software Requirement Specification (SRS), Work Breakdown Structure (WBS), Requirement Traceability Matrix (RTM), Change Process Document, Burn down Charts, etc**.
* Conducted **Workshops** for writing User Stories according to the **INVEST** criteria and **Vertically Slicing Epics** into user stories based on **Business Rules, Workflow Steps, Data Types, Business Roles, Operations** and **Parameters.**
* Participated in **Scrum Ceremonies** like **Release Planning, Backlog grooming, Sprint Planning, Sprint Review** and **Retrospective** and experience in **Prioritizing Techniques** like **MoSCoW, KANO** and **Estimating Techniques** like **Agile Poker, Relative Mass Valuation** with the help of product owner and the development team.
* Helped with writing the **Acceptance Criteria** for the development team with test cases for their **ATDD, BDD & TDD.**
* Knowledgeable in creating **UI/UX diagrams**, **Wireframes** and **Mockups** for presentations to the team and PO.
* Experienced in **Business Process Modeling** using **UML** diagrams like **Activity Diagram, Sequence Diagram, Class Diagram, Use-Case Diagram, Process Flow diagram** which helped developers understand better.
* Experienced in **Data analysis, Data mapping, Data modeling** anddevelopment of **Databases** for**Business Applications** in **Client/Server Applications** and **Web Applications** for internal use of the company**.**
* Worked for **Data Mapping**, **Data migration**, **Data Transformation**, **Data Integration** and on **Hortonworks Data Platform** for various different scenarios using **Virtual Machine, Sandbox** for developing Hadoop Cluster on the fly.
* Knowledge of **Dimension Modeling** using different schemas like **Star Schema**, and **Snowflake Schema** in designing the **Data Warehouse** to define the relationship between the **Fact Tables** and **Dimension Tables**.
* Helped in designing and development of **SCD** (**Slowly Changing Dimension**) of Type1, 2 and 3 mappings.
* Expertise in the **ETL process** using tools such as Informatica and have knowledge in Power Center Client tools including **Designer, Repository Manager, Workflow Manager/ Workflow Monitor**.
* Strong knowledge of **Service Oriented Architecture** **(SOA)**, **3-tier**, **N-tier** architecture systems and **HTTP Protocol.**
* Experience in **Extensible Markup Language (XML)**, **JavaScript Object Notation (JSON)** and **API** technical writing for **API documentation** using **Swagger** tool. Also used **SOAP UI** for **API Testing**.
* Assisted QA team in documenting **Test Plan, Test Cases, Test Scenarios, Test Scripts** to conduct **Functional Testing.**
* Has participated in various activities related to **Integration Testing, System Testing, GUI Testing, Performance Testing, Load Testing, Stress Testing, Smoke Testing, Regression Testing,** and **User Acceptance Testing.**
* Knowledge in the use of **Testing tools** like **HP-ALM/HP-QC, Cucumber, LoadRunner**, and **Bugzilla**
* Experience in working **Business Intelligence tools** like **SAP Business Objects BI, Tableau, IBM Cognos** and **Zeppelin**.

**Skill Set/Tools:**

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| --- | --- |
| **SDLC Methodologies** | Agile (SCRUM/ SAFe), Waterfall, Hybrid, Kanban |
| **Project Management Tools** | JIRA, Confluence, MS Project, MS Share Point, MS TFS,Microsoft Office |
| **Modeling & Designing** | MS Visio, CA Erwin, Rational Rose, StarUML, Balsamiq, Lucid Charts |
| **ETL and Reporting** | Informatica Power Center, SSIS, SSRS, Tableau, Power BI,MS Access, Excel |
| **Programming Languages, Scripting & Web Services** | HTML, CSS, JavaScript, JSON, PHP, REST and SOAP Web Services, Apache  Tomcat |
| **Data Modeling** | Entity-Relationship, Conceptual, Logical, Star Schema, Snowflake Schema, Data Dimensions |
| **Databases** | Oracle, MySQL ,DB2, MS SQL Server 2016,2012, MS Access |
| **Big Data** | Hadoop, Apache Spark, Splunk, Pig Latin, HDFS, HIVE, Zeppelin, HBase, Apache Sqoop, Apache Kafka, Apache Storm, Apache Flume |
| **Testing Tools** | HP ALM/QC, Swagger, SOAP UI, HP Load Runner, Cucumber, Postman |
| **Business Skills** | Process Modeling, GAP Analysis, Impact Analysis, Risk Analysis, Cost-Benefit Analysis, SWOT Analysis, JAD Sessions |
| **Operating Systems** | Windows XP/7/8/10, Mac OS X/Sierra/High Sierra/Mojave |

**PROJECT DESCRIPTIONS:**

### THOMSON REUTERS, BROOKFIELD, WI JUN 2017 to Present

**Senior Business Systems Analyst**

The project was based on the development of a system for Risk Assessment and Alert generation. This included in monitoring, analyzing and responding to risks embedded in processes, transactions and interactions. It was developed to generate alerts including an interface to generate KRIs (Key Risk Indicators) and KPIs (Key Performance Indicators). The aim of this project was to deliver effective and efficient risk management and control for market risk, credit risk and operational risk to keep all applications consistent with the company strategy.

**Responsibilities:**

* **Gathered Business Requirements** through one to one interview and conducted detailed questionnaire sessions.
* **Interacted with Project Stakeholders** and **Business Groups** to evaluate business needs and data issues for risk and worked with the technology team to implement pragmatic solutions in a timely manner.
* Captured requirements based on **Basel** **Advanced Internal Ratings**-based approach for the sound gathering.
* Worked closely with **Subject Matter Experts (SME)** of all applications for different types of risk control violation.
* Arranged several conference calls and also helped in documenting and raising **Jira** issues for change request release.
* Responsible for **Gathering SharePoint Requirements** based on the user requirements and specifications also defined and documented the business processes for financial instruments which were in use.
* Translated the business needs into **System Requirements**, communicating with the business on a **non-technical level**, and with the Developers on a more technical level to help them fill the gap between IT and Business Side.
* Acquired sound knowledge of **CCAR, BASEL III, Dodd-Frank Act** in relation with the investment and trading activities.
* Assisted in understanding of various types of risk such as **Operational Risk, Market Risk, Credit Risk, Compliance Risk, Internal Fraud Risk, Credit Risk, Counter-Party Risk, Interest-Rate Risk, Volatility Risk, Currency Risk.**
* Involved with various techniques of **Risk Measurement** like based on duration, convexity, **Value-at-risk (VAR**), and **Monte Carlo Simulation**. Performed **Feasibility Analysis** and also assisted in conductiing **Risk analysis**.
* Partnered with vendors regarding all **Mortgage Risk** related concepts to **Create/Enhance solutions**.
* Created **Use Cases** for different industries for **Calculation** in **Small Investments** and **Large-Scale Investments** with in the period of time using their **Rate of Interest** in short term and long term goals.
* **Documented** the ongoing assessment of the **Credit Risk Management** processes through process **flow diagrams.**
* Documented "**As-Is**" and "**To-be**" process maps as part of **Gap Analysis**, **Pareto Analysis** and **SWOT Analysis** for new functionality requirements, and thereafter **Prioritized** them in order to align them with the project execution.
* Participated in **High Level Infrastructure**, **Conceptual** and **Logical Architecture** of the **Hadoop** environment review and cluster building activities which included addressing the clusters and their relevance to the system.
* Documented **Security Access Control** requirements for the Hadoop users with roles and groups.
* **Extracted Recommendations & Proactively Assisted** to Dev Team in implementation of Hadoop cluster
* Acquired knowledge and provided support for different Big Data tools including Pig, Hive, HBase, Oozie, SQOOP, Flume, Kakfa and Ambari with collaboration using the **Hortonworks Distribution Platform (HDP).**
* Developed **UML** diagrams like **Use Case Diagrams, Business Flow Diagrams, Activity/State Diagrams** and **Sequence Diagrams** so that developers and other stakeholders can understand the business process.
* Articulated UML through **Use Case Document** by specifying **Actors, Normal flow, Sub flow, Alternative flows**.
* Assisted in formation of **Data Processing Pipelines** in **Spark** to create Machine Learning models and compute financial metrics from historical data in a sixteen node Hadoop cluster.
* Worked on MS Excel spreadsheets for **Data Reconciliation** purpose which assisted in the database structuring.
* Used **MS Visio** to carry out the **Business Modeling, Data Modeling, and Object modeling** efforts to develop the business architecture for rapid and controlled application development.
* Performed **Data Mapping** like creating data element mapping and used for data integration.
* Performed **SQL Queries** for retrieving, organizing the database with general commands like **Select** and **Joins**.
* Worked closely with test team for **User Acceptance Testing** of **Systems**, developing and maintaining **Quality Procedures**, and ensuring that appropriate documentation is in place.
* Developed the **Test Scenarios, Test Cases** and **Test Plans** based on business requirements & technical specifications.

**Environment:**

**Scrum, JIRA 7.3.0, HP Quality Center 10.0, MS Visio 2016, HDFS, Apache Flume 1.3.0, Apache Kafka 0.10.2.0 , Apache Scoop, Apache Spark 2.1.0, Splunk, Map reduce 2.0, HIVE 2.1.1,MS Project 2016, MS Office 2016, Mock-up Screens 4.9.7, Load Runner 12.53, Bugzilla 5.0.3, Tableau 10.0 , Confluence 6.0, Hadoop, Windows 10, Java, Bloomberg.**

## LINCOLN FINANCIALS, DOVER, NH DEC 2015 to MAY 2017

**Business Systems Analyst**

The venture was to build up a reporting module for internal risk investigation of the association by dissecting and understanding the financial markets from the information in Hadoop Cluster which included data from corporate securities, credit default swaps and corporate equities for Financial Stability and Macro prudential Analysis. The reports were displayed as outlines and representations creating heat maps and advised teams to make enhancements.

**Responsibilities:**

* Act as a **Primary Liaison** between business and technical persons for implementing sound solution.
* **Gathered Business requirements** and broke them into **Functional** and **Non-Functional** requirements by conducting **User Interviews** and other elicitations for an explicit understanding to build user guides, eLearning and content.
* Worked with a **Cross Functional** and diverse team of business users and developers to enable accurate communication of requirements and ensured that the entire team comes to a consensus regarding the project.
* Analyzed and identified **Business Rules** fo**r Risk Identification, Assessment** an**d Key Performance Indicator.**
* Used **Microsoft TFS (Team Foundation Server)** for **Business Processes, Requirement Gathering, Test Cases, and Defect Management**, Maintaining the **Product** **Backlog** and **Board Settings** with the help of PO.
* **Collaborated with Basel team** on **Credit Risk Analysis** for effective resolution on various different issues.
* **Implemented Recommendations** from Basel Committee on IT programs for **Credit Risk, Operational Risk** and **Market Risk** in line with **Basel II**.
* Worked directly with Portfolio Assistant and Trader, Fixed Income and Equity Reconciliation Supervisor.
* Also took part in active discussion about the topics involved.
* Planned and managed **Counterparty Credit Risk Technology** and **Process Improvement**.
* Collaborated with other Business Analysts in **Performing Feasibility** and **Complexity Analysis**, to identify technically feasible functionalities and determine the **Level of Effort (LOE)** needed to build each of them.
* Collaborated with product owners to **Write Up** and **Prioritize** documents like **User Stories** for product backlogs.
* Prepared **Business Process Models** that includes modeling of all the activities of business from **Conceptual to Procedural Level**. Followed top down technique for building Business Process Models.
* Designed the **Data Retention Standards** and framed the standards for handling secure personal information of the customers residing on **Data Lake** and also constructed **ER Diagrams** to distinguish the relationships between entities.
* Provided technical assistance during the **Extract Transform Load (ETL)** development process using technologies using **Informatica** and assisted in Source to Target **Data Mapping** and making the documents.
* Elicited all the source applications for **Big Data (Hadoop) Lake**. In addition also **interviewed the app Owners/SMEs** to extract the business requirements including the business rules according to the technicalities of the matter.
* Extracted the **Business Rules & Acceptance** **Criteria** needed for data parsing and conversion into **JSON** format prior to ingestion in **HIVE** and documented **REST** **API** using **Swagger** and did the testing through **Postman.**
* Responsible for **creating UML Modeling Plans**, **Use Cases**, **Process Flows,** **Activity Diagrams, Sequence Diagrams, Wire Frames** and **Object Oriented Designing (OOD)** using **MS Visio**.
* Support Quality Assurance team in **Test Planning, Test Strategies, Test Scripting** and **Test Execution**.
* Involved in all phases of **Defect Life Cycle** from **Logging Defects** to **Bugs Fixes** and **Stable Release**.
* Assisted client in **Developing Content** and **Training Materials**; recommended enhancements and identified new business requirements.

**Environment:**

**Scrum, HP Quality Center 10.0, MS Visio 2016, HBase, Apache Flume 1.2.0, Apache Kafka 0.10.0.0, Apache Storm 1.0.1, Map reduce 2.0, MS Project 2016, MS Office 2016, Lucid Charts, StarUML, Load Runner 12.50, Bugzilla, SAP Business Objects BI 4.2 Support Package 3, SharePoint, MS TFS.**

## POINT72, STAMFORD, CT JAN 2015 to DEC 2015

**Business Analyst**

The project was to develop software that would allow clients to access and manage their own financial products. The first version of the proposed system will allow the client to see a comprehensive view of the account summary that will show the portfolio value, cash balance, securities held and assess profit and loss in real-time via pricing feeds.

**Responsibilities:**

* Assisted in the development of and **Functional Requirements Document (FRD)** resulting from **JAD sessions** and translated requirements to development teams.
* Authored **Business Requirements Document (BRD)** with the business users and Participated in session with different work streams and technology teams and gathered requirements and verified it.
* Assisted the PM in developing Use Cases and project plans and also managed changes to the scope of the project.
* **Helped** the **Project Manager** in creating the **Work Breakdown Structure (WBS)** for the project.
* Assisted Lead BA/Manager in **scheduling meeting, budgeting, resource allocation, deadlines** and **maintaining a project schedule** using **MS Project**. Involved in reporting the scheduling and writing the plan of the project.
* Interacted with the **Business Owners**, **End Users** and **SMEs** along with **Risk Managers** and **Project Architects,** to gather client specific business requirements and translate them in various artifacts for the technical team.
* Expertise in interaction with the business users to gather requirements based on the **CCAR Regulation** for **Financial Statements, Interest Rate, Credit Ratings** and **Investment Securities.**
* Developed good understanding of Mutual Funds (Money Market Funds, Fixed Income Funds, Equity Funds, Balanced Funds, Index Funds, Specialty Funds, Global Funds, Fund of Funds, and Exchange Traded Funds).
* Performed **Risk Analysis** to identify the project critical success factors and prioritize requirements.
* Identified **Financial Performance Trends** and assisted in developing recommendations for improvement.
* **Analyzed reports for Management** regarding day-to-day engagements with clients.
* Assisted in designing and developing Use **Cases, Activity Diagrams** and **Sequence Diagrams** using **StarUML**.
* Created **Mockups** and **Wireframes** for better understanding of the **GUI**.
* Performed Data Validation testing for accuracy of the data by creating/executing the SQL statements against the database table to the **Graphical User Interface (GUI) data.**
* Analyzed the Databases of the various teams by using **SQL Queries** and performed **Data Mapping**.
* Performed **API technical writing** and documented **XML** and **JSON** request and responses using **Postman**.
* Examined, analyzed and modeled **Test Plans, Test Scripts, Test Procedures** and **Use Case Scenarios**.
* Used **Test Director** to coordinate and manage the test plans, test scripts, testing resources, pass vs. fail cases and the entire testing process and assisted QA team in **UAT testing**.

**Environment:**

**Waterfall, SharePoint, Microsoft Project 2013, Microsoft office 2013, SQL Server 2013, SSRS, , Star UML, Test Director.**

## SBI CAPITAL MARKETS LIMITED, MUMBAI, IN JAN 2013 to NOV 2014

**Junior Business Analyst**

The project was to develop a global data warehouse for client. The organization wanted to merge the data warehouses. The scope of the project was to deliver a data warehousing solution to migrate the data from Prime Brokerage, Swaps and Stock loans to a global data warehouse which will capture global data, A report delivery module, changes to data sources and data infrastructure changes were included in the project life cycle.

**Responsibilities:**

* Responsible for creating and reviewing **Business Rules,** **Business Requirements, Functional Specifications, Project Schedules, Work Breakdown Structure and Requirements Traceability Matrix** related to the project.
* Designed high level **ETL Architecture** for overall data transfer from the source server to the Enterprise Warehouse which encompasses server name, entity name, direction of data flow, Column Mapping and Data Dictionary.
* Involved in **Data Mapping** specifications to create and execute detailed system test plans. The data mapping specifies what data will be extracted from an internal data warehouse, transformed and sent to an external entity.
* **Analyzed various resource files being used to generate the report** and **documented data mapping** and **data source** interface documents to assist the development team during the development phase.
* Created **Master-Child** packages as an **ETL Strategy** to populate **Dimensions** and **Facts**.
* Assisted in developing **OLAP cubes** and performed **Roll up, Drill down, Slice and Dice operations**. Also designed conceptual and **logical data models**. Followed **2NF/3NF** standards to create database.
* Responsible for transforming data from **OLTP to OLAP** data sources and identified the target sources **using SSIS**.
* Assisted with **Product Evaluation, Product Customization** and **System Integration**.
* Performed **DML, DCL** and **DDL SQL** queries for validating the data and constructing the Data Warehouse.
* Used **SOAP** web services to interact with different applications and machines internally and externally.
* Supported testing, Test Cases in **HP Quality Center** that which tested various Test scenarios
* Created **RTM Artifact** to make sure all the requirements are covered with respective test cases & helped UAT team.
* Performed **UAT** on business requirements, technical specifications, and product knowledge.
* Helped in designing **Proof of Concept (POC)** to identify baseline, adverse, and serve scenarios.

**Environment:**

**Waterfall, MS SQL Server 2012, Integration Services SSIS, MS Excel, MS Word, Visual Studio, Microsoft Power Point, Rational Clear Quest, Rational Clear Case, Rational requisite pro, Tableau**

## HSBC, AHMEDABAD, IN OCT 2010 to NOV 2012

**SQL Developer**

**Responsibilities:**

* **Installed, Configured, Designed, Created, Managed Security** and **Maintained Customized Database** on SQL server 2005/2008.
* Responsible for **Designing, Implementing** and **Communicating Database Solutions** that meets client requirements.
* Implemented a **SQL purging process** for Old data system as per business requirement for the new migration.
* Involved **Troubleshooting** and **Resolving** database integrity issues, performance issues, blocking and deadlocking issues, Connectivity issues and Security issues etc.
* Responsible for ensuring that production SLAs are met, upgrades are delivered without disruption of business in case of any failures.
* Monitored the **Data Files, Log File Space Issues, Blockings, Tempdb Space Issues** and **Disk Space Issues**.
* Applied **Data Fixing Actions** into production as necessary and completed data-related tickets rose in production.
* Involved in designing, developing, debugging and testing of reports in **SQL** **Server reporting services (SSRS)**
* Provided monthly metrics regarding database usage and Contributed to Technical Documentation.
* Provided 24/7 support by actively monitoring the job history, alerts.

**Environment:**

**SQL Server 2008, Windows XP, Server, SQL Server Reporting Services (SSRS), Profiler, SQL Server Tuning Advisor.**

**Education:**

* **Rajasthan Technical University, Kota, India**

Bachelor’s in Technology – Mechanical Engineering.

**Certification:**

* **Scrum Master Certification**

The Professional Scrum Master level I (PSM I)