**Bahiru M Mengistu**

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**Professional Summary:**

* Highly motivated IT professional with around 7 years of experience as a Data Analyst and Business Analyst in the Banking and Finance domains.
* Comprehensive knowledge of Software Development Life Cycle (SDLC) with thorough understanding of its various methodologies like Agile, RUP, Waterfall etc.
* Worked closely with project stakeholders, Subject Matter Experts (SMEs) and staff to understand business requirements and analyze specifications for new applications, and to modify existing applications.
* Extensive experience in Requirements Gathering, Surveys/Questionnaire Development, Business Requirement Documents (BRD), Functional Requirement Specifications/Documents (FRS/FRD).
* Experienced with Risk Management, Risk Ratings Systems, Credit Risk Valuation, Basel II/III, as Regulatory Requirement. OTC Securities (Swaps, Options and Futures) Risk Analytics, Equity, Fixed Income Products like Treasury (Bonds, Notes, and Bill), Mortgaged Backed Securities (MBS), Municipal Bonds, Corporate Bonds, Junk Bonds and Convertible Bonds.
* Strong knowledge of Trading Life Fixed cycle, securities accounting, financial Products, including Equities, Options, Futures, Swap and Fixed Income Products. Good Understanding of Market Data providers like Bloomberg, Capital IQ and Thompson Reuters.
* Skilled at facilitating Joint Requirement Planning (JRP) sessions with Business User Groups, conducting Joint Application Development (JAD) sessions with IT Groups, and Conflict Management with Project team members.
* Knowledge on Amazon Web Services (AWS) , Amazon’s cloud computing offerings
* Established AWS technical credibility with customers and external parties
* Approach with CRM to managing a company's interaction with current and future customers
* Involved using CRM technology to organize, automate, and synchronize sales.
* Excellent in performing GAP Analysis to check the compatibility of the existing system infrastructure with new business requirements.
* Good Knowledge of Hadoop Ecosystem (HDFS, HBase, Scala, Hive, Pig, Flume, NoSQL etc.) and Data modelling in Hadoop environment.
* Well versed at giving walkthrough and creating Unified Modeling Language (UML) diagrams for Business Process Modeling like Use Case Diagrams, Behavior Diagrams, Sequence Diagrams and Activity Diagrams based on the UML Methodology.
* Good understanding in Defect Life Cycle for tracking the defects with Severity & Priority.
* Created, updated and maintained Requirement Traceability Matrix (RTM) to ensure that the test cases written covered the Requirements in BRD.
* Experienced in testing the reports for both cosmetic static content and data validations as per BRD/FRS document.
* Experience in hive queries, pig scripts, python with Hadoop eco system and R scrips, programming and tableau visualization and analytics.
* Used SOAP UI to validate the response from various WSDL file.
* Excellent knowledge in extraction, cleansing and modification of data from/to various data sources like flat files and databases processing in a corporate-wide-ETL solution using ETL Tools like Informatica ,Ab Initio & SSIS.
* Proficient in querying various RDMS Systems like Oracle, DB2, Teradata and SQL server.
* Extensively used UNIX to run the Ab Initio graph from command line and Control-M error debugging.
* Validated reports from various BI tools like SSRS, Cognos, Micro strategy for tabular, Pie Charts, Bar Graph, gage, map metrics etc. for alignment, header, and footer and other attributes.
* Tested Informatica mappings to validate the business conditions and extensively involved in analyzing the logs created by Informatica to validate the record counts and other validations.
* Loaded Flat file, fixed length, and delimited files through Informatica into Teradata tables using Unix Shell scripts
* Experienced in performing data validation and preparation of test data in UNIX environment using various UNIX commands in VI editor.
* Extensively tested Scheduled jobs in Control M as per dependency matrix.

**Technical Skills:**

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| --- | --- |
| SDLC/Web Service | Agile, Waterfall/ SOAP UI |
| Testing Tools | HP ALM 11.0, 11.5 / Quality Center10.0,JIRA,Quick Test Professional 10 |
| Databases | Oracle 11g/10g/9i, Teradata 13.10 , 14.0, Microsoft SQL Server 2005, 2008, 2008R2,DB2 10.1 |
| Database Tools | SQL \* Plus, T-SQL , Toad, Teradata SQL Assistance |
| Operating System | Windows (XP, Vista, Win 7), Unix |
| ETL Tool | SSIS 2008, 2008R2, Ab Initio 2.14, 3.1.7, Informatica 9.0, 9.1, 9.5 |
| Data Stage 8.5, 8.7 |  |
| Business Intelligence | SSRS 2008, 2008R2, Cognos 8.4, 10.2, OBIEE 10.1.3.1/10.1.3.2, Micro Strategy 8 |

**Professional Experience:**

**Suntrust Banks, Atlanta GA Dec 2017 – Till Date**

**Sr. Data Analytics Engineer/ Business Analyst**

The objective of the project was to establish a Common Operating Environment for Traders and Analysts working on the **Fixed Income Trading desk** and also working in the Migration process involving data gathering stage to the deployment and testing stage (UAT). The Project encompassed coordinating with the traders, data gathering, and platform engineering, and testing. Data conversion and trade floor support on a wide range of issues including business rules, core business applications, policy groups, and configuration settings were additional responsibilities.

**Responsibilities:**

* Worked with Fixed Income trading desk to discuss, encapsulate, and finalize the migration process
* Involved in providing day to day support for the Government Bond, Corporate bond and Mortgage backed securities desk.
* Identified and documented business needs for new market risk and credit risk module or re-usability of an existing module by performing a GAP analysis.
* Assessed Credit Risk strategies with various internal credit tools and implemented Basel II strategies to augment Credit availability.
* Conducted Interviews and Brainstorming Sessions with stakeholders (application users, subject matter experts etc.) to gather requirements and end user perspectives in order to identify deficiencies and areas for improvement & enhancement
* Created Ab Initio graphs that transfer data from various sources like Oracle, flat files and CSV files to the Teradata database and flat files.
* Knowledge with LSR data aggregation changes from data center exa-data to Hadoop big data process
* Provided analytical support in implementing an in house model to value fixed income instruments – apply different shocks to yield curves and analyzed the securities.
* Identified As-is and To-be process maps while working on Collibra tool for data mapping and writing transformation rules for the data transfer between the source and the target systems successfully.
* Performed different validations in the source file using Excel, Notepad and UNIX commands as necessary.
* Worked on fine tuning the existing Ab initio graphs in order to have optimum performance.
* As process of testing report, Debugged the Cognos Dashboards /Reports with different analytics views (Pivot table, Chart, Tabular and View Selector), Alerts, Guided Navigation and Dynamic /Interactive Dashboards with drill down capabilities using global and local filters.
* Prepared data mapping document in excel based on requirement document for data migration from legacy Data Warehouse EDW to ICDW data warehouse.
* Experiencing with Hadoop eco system - distribute, store and process data in a Hadoop cluster running in the cloud.
* Validated each and every Business Logic incorporated in Target state Data Warehouse (Teradata) when the scheduled job is completed.
* Developed shell scripts to customize the ETL Ab Initio Graphs at runtime.
* Extensively tested all aspect of reports like UI, Functionality and Data validation which were generated using Cognos as reporting portal.
* Wrote complex SQL to validate the Data with legacy Reports in Oracle and Teradata environment.
* Established AWS technical credibility with customers and external parties
* Help customers build scalable, resilient, and high-performance applications and services on AWS Develop/capture/document architectural best practices for building systems on AWS
* Maintained the entire test cases in HP ALM and logged all the defects into the defects module.
* Collected and filtered different static data like Calendars, Index, Bonds, and Customer Ratings etc. Work included comparing Pricing, Risk Numbers generated by various systems.
* Prepared User Interface document (UID), Wireframes, and Prototypes to help design user interfaces.
* CRM systems helped to track and measure marketing campaigns over multiple networks, tracking customer analysis by customer clicks and sales Interacted extensively with customers. And user interface (UI) designers to determine ways to improve the UI feel and user experience.
* Created Mock-up forms in Just in mind for better visualization and understanding of the Graphic User Interface (GUI).
* Responsible for documenting Meeting Minutes of the Weekly meetings and distributing to PM and other team members.
* Created Burn-down Charts to monitor the completion of work within the time-boxes.
* Extensively used task board, Poker Planning for better teamwork and results.
* Gained expertise on Change Management by Performing Impact Analysis maintained Change Log for Change Requests. Escalated the results of the analysis to the Change Control Board (CCB).
* Conducted data mapping activities to map the securities (Fixed Income, Equity, Bonds, FEC’s, etc) & its Derivatives (Options, Swaps, Futures, etc) between old and new system.
* Walkthrough Session with development team and QA team to understand the business requirements clearly. Worked with QA team to help create Test Plans and Test Cases.
* Used Silk Central as defect tracking tool to validate test case’s results.
* Tracked open issues and documented progress reports on weekly basis.
* Conducted Smoke test after each build.
* Created the source SRS articulating the known issues and potential risks for feeding data into PDS repository that will be storing daily positions and reference data subscribed by LRM.
* Analyzed and documented gaps in Sophis’, the source trading system, trade and positions attributes based on the requirements defined in the Risk Management BRD.
* Executed P/L analysis, Risk reconciliation and preparation, G/L reconciliation.
* Create and review test plans and test case for UAT sessions in Collibra to see if the request was passing vendors correctly for Appraisal, title , flood Orders
* Generated runtime code using in Collibra and tested the Test Data against the code and provided the Java Transforms to developers for deploying in different Environments (DEV/SIT/UAT and PROD)
* Created step by step manual and user guide for quality assurance team keeping in mind user requirements and how it can be met.
* Performed Post Production Validation after the Application was released into production

**Fidelity Investments, Jacksonville, FL Feb 2016 - Nov 2017​**

**Data Analytics Engineer/ Business Analyst**

Fidelity Investments is an international financial institution. Their broad and integrated range of investment banking services spans the entire investment spectrum, Front-Office including research, investment management, sales and trading services and investment servicing. Perform various tasks as a member of the business team including, but not limited to: task lead, requirements gathering and implementation, writing functional specifications, knowledge transfer and process improvement, internal team building, client communication and relationship, and quality assurance.

**Responsibilities:**

* Conducted JAD Sessions with the SMEs and managers to understand the business processes and functional details.
* Identified gaps in the existing systems by performing GAP Analysis on the As-is business process maps.
* Created the To-be business process maps to communicate the solutions to the entire team as well as to gain the approval of the SMEs and the management team.
* Conducted meetings and brainstorming sessions with Company Ratings managers, sales advocates and fixed income data team managers to gather user requirements and business process information.
* Implemented reports to deliver market risk measures as part of the Basel initiative
* Documented the gathered business requirements into a detailed Business Requirements Document (BRD).
* Big data Architectural analysis and Hadoop eco system migration with vm.
* Translated Business Requirements into functional and non-functional requirements using industry standard documentation processes like Data Flow Diagram (DFDs) and UML Diagrams (Use Case, Sequence and Activities Diagrams).
* Supported in every day settlement operations of back office in a joint effort with day by day exchanges for center office operations.
* Gathered requirements for research data mappings for front office.
* Worked with architects to interpret business needs into service oriented, process driven business models using UML
* Involved with the development team to ensure that business needs are fulfilled and deliverables are produced within specified budget, quality and time.
* Defined the context of the system by writing various use cases.
* Perform Financial Statement Analysis (FSA) relating to Fund of Funds (FOF) Portfolio Valuations in comparison to the financial statements of the underlying securities & brokerage reports.
* Developed System Requirements Specifications (SRS) encompassing Functional and Non-Functional Requirements.
* Good experience on installing Hadoop in AWS environment and worked on POC’s to extract data from traditional database to HDFS environment, data transformation and data ingestion.
* Developed UML models for modeling static and dynamic aspects of Wealth Management portal using Visio and Rational Rose.
* Gathered data requirements of subject areas from stakeholders and developed strategies for data profiling and data validation.
* Prioritizing and managing the defects using the Defect Tracking system like JIRA,
* Developed data maps to track transformation of data elements from source to destination across all phases of staging.
* Assisted in identifying and quantifying Credit Risk, Operational Risk and Market Risk
* Coordinated with Data modelers in giving requirements for ER diagrams including data type length and integrity constraints.
* Developed the financing reporting requirements by analyzing the existing business objects reports
* Utilized Informatica toolset (Informatica Data Explorer, and Informatica Data Quality) to analyze legacy data for data profiling.
* Responsible in maintaining the Enterprise Metadata Library with any changes or updates
* Establish standards of procedures.
* Worked heavily on SQL Server database to extract data and build Business reports.
* Generating a variety of reports based on the Universes, running free-hand SQL, and also personal data files.

**TD Bank, King Of Prussia, PA ​  Oct 2014 - Jan 2016**

**Technical Business Analyst**

TD Bank is one of the 10 largest banks in the U.S. The Bank offers a broad array of retail, small business and commercial banking products and services. The project was part of TD Bank Online Banking Services (OBS), which provides individuals and small businesses with TD Bank Retail and Small Business Products. The goal of this project was to re-design and enrich the portal systems to increase customer satisfaction, create bank loyalty, and to create reliable products.

**Responsibilities**

* Worked with Business Users, Customers and Subject Matter Experts (SMEs) to understand the existing system and the current business process and methods to identify deficiencies and areas for improvement and enhancement.
* Accountable for creating, maintaining and ensuring User stories to have coverage on business values, story points and acceptance criteria.
* Proficiently helped development teams to break down large user stories for execution.
* Advised product owners, scrum masters and teams to improve their ability to create good Product Backlogs to prioritize features and subsequently created Sprint Backlogs.
* Actively assisted in the acceptance and validation of the stories by testing the delivered stories.
* Provided detailed User Interface Document to the development and testing team for clear understanding of the system.
* Conducted requirement walkthroughs with the development and test teams before the development and testing phases respectively, to ensure that the requirements are accurately understood.
* Created and maintained Requirements Traceability Matrix (RTM) to trace technical requirements to their business requirements and the test case to their functional requirements.
* Worked closely with the QA Team and played a key role bringing in best practices of test driven development in an agile environment.
* Actively participated in the Daily stand up and Weekly status meetings.
* Extensively used task board, poker planning for better teamwork and results.
* Conducted User Acceptance Testing (UAT) to ensure all the business requirements have been fulfilled by the application.
* Actively participated in Smoke Testing, Post Production Validation (PPV) and handled issues appropriately.
* Prepared detailed user manuals and conducted training sessions.

**Barclays Investment Bank, Bloomington, IL                                                                Dec 2012 – Sept 2014**

**Technical Business Analyst**

​Barclay Investment Bank provided a broad range of banking, asset management, wealth management and corporate and investment banking products and services. The aim of the Market Risk Systems (MRS) project was to perform valuation, simulation, aggregation and reporting of risk metrics and models on all simple (bonds) and complex (structured products, derivatives) security products. The MRS are comprised of intraday and overnight batch processes that handle staging for all trading position data and market data required for risk modeling as well as making this data available to the various risk valuation systems..

**Responsibilities:**

* Participated in Joint Application Development (JAD) sessions by convening project sponsors, end-user representatives, development team members, subject-matter experts, technical personnel, and different stakeholders to communicate their perspectives with each other, resolve any issues and come to consensus.
* Worked with architectures to analyze the Project Definition Document (PDD) to make an initial estimation of the sizing of the project, as well as potential impacts on existing systems.
* Analyzed the business process as Business Process Automation
* Implemented RUP, designed visual models to draft business requirements by using Use Cases
* Gathered and documented the requirements that were critical to the business mission and used those requirements to design application software using a Use Case approach.
* Interacted with the Users by interviewing them, preparing questionnaires and getting feedback.
* Developed the required use case diagrams, business work-flow diagrams and activity diagrams so that all stake holders could better understand the business process.
* Developed the functional specifications document and assisted the project team in preparing Software Requirement Specifications (SRS), and the user interface design.
* Created User Interface documents (UID) of prototypes and wireframes to help designing user interface.
* Managed all the changes and change requests in the projects by using Rational Clearcase.
* Worked with SQL queries using MS Access for data manipulations
* Experience in walkthrough session with development team to ensure the business requirement are clear.
* Walkthrough session with QA team to ensure the test plan and a test case meets the business requirement.
* Conducted smoke test after each build.
* Create and review test plan and test case for UAT session. As well as conducting UAT session.
* Created step-by-step manual and user guide for quality assurance team keeping in mind user requirements and how it can be met.
* Performed Post Production Validation after the Application was released into production.