**Prathamesh Tari**

**Sr. Business System Analyst**

**201-877-9317**

Innovative and results oriented Business Analyst with **8+ years** of IT industry experience in healthcare and insurance. Proven track record of leading high-profile implementation projects and directing cross functional teams of technical experts for infrastructure enhancements increasing efficiency and boosting growth of the organization.

**SUMMARY:**

* Experience working in **SDLC**, **Waterfall, RUP**, **Agile (Scrum), Water-Scrum-Fall** methodologies, enterprise environments, architectural and solution design and implementation also has knowledge about **Spiral, XP,** **Kanban, Scrumban and SAFe**.
* Strong functional experience and knowledge on **Medicare (A, B, C, D)** and **Medicaid, HMO, PPO, POS** and **EPO** health insurance plans and **FDA, CDC** and **CMS** guidelines.
* Experience in Electronic Data Interchange **(EDI)** and **HIPAA** with multiple transactions involving claims handling and processing, **(270/271, 276/277, 820, 837 P/I/D, 834,835).**
* Expertise in Health Information Exchange **(HIE)**, Electronic Health Records **(EHR)**, Electronic Medical Record **(EMR)** and practical implications of **HPAA, HITECH, ANSI X-12 5010** transactions code set, **ICD-10** and **ICD -10-PCS** codes.
* Functional knowledge of Medicaid Management Information System **(MMIS),** Medicaid Enterprise Systems **(MES)** and Medicaid Information Technology Architecture **(MITA)**.
* Immense knowledge on Explanation of Payment (**EOP**), Explanation of Benefits (**EOB**), Co-ordination of Benefits (**COB**).
* Experience in configuration of **Claims Adjudication** Process, **Real Time Claims** Adjudication, **Claims Processing** Applications, **Claims Management** Process.
* Experience in Clinical Trial Studies and familiar with **SDTM** standards**,** Laboratory Information Management System **(LIMS),** Electronic Data Capture **(EDC),** electronic Case Report Form **(eCRF)** andClinical Trial Management System **(CTMS).**
* Proficient in **SWOT** Analysis, **Feasibility** Analysis, **Cost-Benefit** Analysis, **GAP** Analysis, **Risk** Analysis, **Impact** Analysis etc.
* Adept at coordinating with **Stakeholders**, **vendors**, Subject Matter Experts (**SME**), **Project Manager** and end users through **Interview, Surveys, Questionnaires, Brainstorming, Document Analysis** and Joint Application Development (**JAD**).
* Proficient in transforming **Business Requirements** into **Functional Specifications** focusing on **Workflow Analysis** and **Design, User Interface Design, Business Process Reengineering,** and **Process Flow Modeling.**
* Efficient in writing Business Requirements Document (**BRD**), Use Case Specifications, Functional Specifications document **(FSD)**, **Change Management Document** and documenting **Enhancement Requests, Process Redesign** and **Business Process Modeling**.
* Competent in **Risk Management Planning** which includes risk identification, assessment, risk analysis, reporting, monitor, control and response and also have understanding of **Enterprise Risk management** and its components such as hazard risks, financial risks, operational risks, strategic risks and human resource risks.
* Skilled in creating **UML, Use Cases, Activity** Diagrams, **Entity Relationship** Diagrams, **Sequence** Diagrams, **Collaboration** Diagrams and document them using **Rational Rose** and **MS Visio**.
* Adept at creating Application Design such as **prototyping, Screen Mock ups**, wireframes, responsive design, browser compatible UI design and acted as mentor in analyzing business requirements prototypes and UI diagrams from junior Business Analyst.
* Knowledgeable in Agile methodologies and **Scrum** and has experience in facilitating Scrum ceremonies like **Backlog Grooming, Sprint Planning, Daily Stand Up, Sprint Review** and **Sprint Retrospective.**
* Assisted product owner in creating **User Stories** following **INVEST** criteria**, Acceptance Criteria** and **Definition of Done** and helped in determining Minimum Viable Product **(MVP)**, Minimum Marketable Feature **(MMF)** and Minimum Releasable Feature **(MRF).**
* Helped in prioritizing items in product backlog using **MOSCOW** and **KANO** techniques, estimating them using planning poker and relative mass valuation techniques and breaking down user stories in tasks following **SMART** criteria.
* Skilled in **Data Profiling, Data Cleansing, Data Integrity, Data Analysis, Data Quality Management, Data Mapping, Data Migration, Transformation, Integration, Data Import,** **Export** using **ETL** tools and has experience in **Testing and Data Validation.**
* Hands on experience of SQL - Data Manipulation Language **(DML),** Data Definition Language **(DDL),** Data Control Language **(DCL)** and writing **SQL** and **PL/SQL** statementsfor **Stored Procedures, Functions** and **Triggers**.
* Highly skilled in **Data Warehousing, Designing Cubes, Dimensional Models, Fact Tables, Dimensional Tables and Business Intelligence Reporting** and also experience in using **Data Modeling Tools** to create **Conceptual** and **Logical Data Models**
* Experience in designing data models for **OLTP** and **OLAP** database system and good in **Normalization** **1NF, 2NF, 3NF, BCNF** and **Denormalization** techniques for effective and optimum performance in these environments.
* Capable in **SOAP** and **REST API** (Application Programming Interfaces), **API documentation & development, Web services, n-tier architecture, Service Oriented Architecture (SOA), Microservices, and Cloud Computing.**
* Proficient in creating and managing **Test Cases, Test Plans, Test Summary Reports** and **Test Scripts** and have knowledge about different types of testing like **Black box, White box, Alpha, Beta, Load, Stress, Endurance** and **Regression Testing**.
* Experience in **Unit Testing, System Integration Testing** and **User Acceptance Testing** as well as defect tracking and management.
* Thorough understanding of Business Intelligence (**BI**), including **Descriptive, Prescriptive** and **Predictive BI**. Well versed in using tools such as **Tableau, IBM Cognos** and **Power BI** for creating insightful reports.
* Exceptional ability to **adapt to changes** and **emerging trends** in technology and working environment. Ability to **prioritize, manage and deliver**on multiple projects and tasks consistently.
* Demonstrated ability to work well with a wide variety of people at various levels, foster cooperation and collaboration among individuals in the work unit, help team resolve conflicts constructively and a willingness to communicate when help is needed.

**SKILLS:**

* Programming: Python, Java, R, SQL
* Web Technologies: HTML, CSS, JavaScript, XML, JSON, AJAX, REST
* Tools: Jupyter Notebook, Eclipse, NetBeans, Spyder, R studio, MATLAB, Hadoop
* Database: MySQL, SQL Server, PostgreSQL, MongoDB, S3, Redshift, RDS
* Data Modeling: Erwin, Informatica, Toad data modeler
* Data Visualization: Tableau, Power BI, Qlik Sense, Matplotlib, IBM Cognos
* Testing: HP QC/ALM, Microfocus UFT, Selenium, Load Runner
* Business Tools: MS Visio, SharePoint, MS Project, MS Access, Confluence, JIRA
* ETL: Informatica, SSIS, Talend
* API Tools: Swagger, Postman, SoapUI
* Version Control: Git, CVS, SVN
* Methodologies: Water Fall, Spiral, Rational Unified Process, XP, Scrum, Kanban, Scrumban, Water-Scrum-Fall
* Standards/codes: HIPAA 4010/5010, ICD-9, ICD-10, HL7, CPT, HCPCS, FHIR, SNOMED CT, SDTM

**EMPLOYMENT HISTORY:**

**Aetna - Hartford, CT Apr 2019 – Till date**

**Sr. Business System Analyst**

The project was to implement a novel fraud detection algorithm replacing the existing algorithm to reduce the fraudulent claims while also improving the automation of claims adjudication process. The project involved re-engineering the existing system and to create business intelligence solution for investigative analysis and SIU management.

**RESPONSIBILITIES**:

* Facilitated interviews and one on one discussion sessions with stakeholders, SME like investigative analyst, forensics analyst, data scientist and machine learning engineers to understand the requirement pertaining to the **claims processing** and **fraud detection system**.
* Conducted **GAP analysis and SWOT analysis** on the existing system process, identified Key Fraud Indicators (**KFI**) with the help of the SIU team, measured the performance of the current system and documented it all in the **As-Is and To-Be** system.
* Organized **JAD** sessions to identify business flows and determine whether the current or proposed systems are impacted by the **EDI X12** Transaction, **XML, XSLT, Code set** and Identifier aspects of **HIPAA**.
* Created Business Requirements Document **(BRD)** documenting business requirements, assisted in creating product backlog and documented the **process flows**.
* Acted as the **point of contact** and **liaison** between the **SIU team** and **development team**, consulting and coordinating resources and updating stakeholders about the progress.
* Consulted the developers in **EDI 837** billing claims, **EDI 835** payment and remittance advice, **EDI 834** enrollment, **EDI 820** premium payments, **EDI 270/271** benefits and eligibility inquiry/response, **EDI 276/277** claim status request/response, **EDI 278** service reviews and informed them about claims processing and was the **Domain Expert** in healthcare for the team.
* Verified the mapping of EDI transaction in **X-12** connector from **MuleSoft’ Anypoint**.
* Performed **Risk Analysis** and created **Risk Charter** and **Risk Mitigation** plan.
* Facilitated all aspects of **Scrum** framework including **Product Backlog, Release Backlog, Sprint Planning Meeting, Daily Scrum, Sprint Review** and **Sprint Retrospective Meetings.**
* Created **User Stories, Acceptance Criteria** and **Definition of Done** and monitored the progress using **JIRA.**
* Supported team members in articulating and **prioritizing features** needed for SIU investigation during the **feature extraction and feature engineering phase**.
* Wrote **SQL** queries to access data to perform Data Analysis, generated reports for executive management and coordinated with data warehouse project team for solving data related issues and assisted data analyst in applying SQL Data Mining techniques.
* Created **Mockups** and **Wireframes** in **Balsamiq** and assisted full stack developer in developing user interface **UI** design for front end web application development.
* Responsible for **EDI UAT** project planning like creating **test scenarios, test plans, test scripts** and **test cases** with QA and testers.
* Developed various test cases for **testing HIPAA 837 P/I/D, 834/835, 820** and **276/277 claims**.
* Documented the **Traceability Matrix** for tracing the test cases and requirements related to them.
* Conducted **UAT test** and analyzed test analysis report from **regression test, integration test** and **usability test**.
* Worked with SIU management to create **operational metrics** and **reports**.
* Created new rule strategy for evolving fraud with the help of SIU and analyzed the **performance trends** of the implemented rule.
* Designed, influenced and documented operational best practices for reporting frauds.
* Developed and maintained **Business Intelligence solution** for investigative analyst, investigators and **SIU** management.

**ENVIRONMENT:** AWS, S3, EC2, Redshift, Lambda, Python, SageMaker, Balsamiq, Tableau, Quality Center Test Director, Clear Quest, machine learning, cluster analysis, regression analysis, Anypoint X-12 2.2, JIRA, Confluence, Scrum

**DaVita - Denver, CO July 2018 – Mar 2019**

**Sr. Business System Analyst:**

The project was to migrate EHR system to increase operating efficiency on administrative and clinical side resulting in considerable cost saving while also being compliant with HIPAA and HITECH mandates on electronic PHI. A cloud-based SaaS EHR implementation offering was selected for this project after evaluating and taking demonstration from various vendors.

**RESPONSIBILIIES:**

* Performed requirement elicitation and gathered data and reporting requirements from central business stakeholders, end users, primarily clinical and para-clinical stakeholders to implement **EHR** project.
* Conducted **GAP analysis** and documented success factors and assisted lead physician in completing EHR readiness assessment
* Conducted **market analysis, feasibility analysis** and evaluated various vendors’ **RFI and RFP**.
* Created an evaluation plan and conducted vendor demonstration sessions to verify hardware and software requirements.
* Created Business requirement document (**BRD**), **UML**, business workflows in **Scrum** and performed **HIPAA risk analysis** and assisted **Product owner** in created in **Risk Charter**.
* Conducted **design sessions** and documented **clinical workflows** with business users like physicians, nurses, labs, psych, revenue cycle management etc.
* Extensively involved in **Data Mapping, Logical Data Modeling**, creating **Class Diagrams, ER Diagrams** and used SQL queries to filter data within Oracle and SQL Server environment.
* Acted as stand-in **Product owner** and stand-in **Scrum Master** regularly to meet the team’s requirements as required.
* Analyzed different data sources, audited the data and performed **data profiling** to verified the quality of data.
* Created a source to target mapping document and created a data **strategy** to migrate data.
* Created Data Stage jobs to **extract, transform and load** data into data warehouses from various sources like relational databases, application systems, temp tables, flat files etc.
* Developed workflows for automating documentation, manual entry and documented necessary data elements for billing and patient encounters.
* Assisted product owner in extracting **user stories, prioritization** of product backlog, **mapping dependencies** and **managing risks**.
* Designing and drawing application interface charts and formulating **test scenarios** for the operational aspect of the project.
* Clarified QA team issues and reviewed **test plans, test scripts** and **test data** developed by the development team.
* Conducted User Acceptance Test (**UAT)** and documented and reported user feedbacks to the management team and assisted in developing training modules for different end users.
* Assisted Disaster Recovery Analyst in creating a **Disaster Recovery Plan** by conducting business impact analysis of mission critical business functions and quantified the effects the business disruption might cause on those functions.
* Created a roadmap for go-live activities which included **system testing processes, patient communication guidelines, staff scheduling, in practice communications, data backup processes** etc.
* Evaluated the performance of EHR implementation by generating reports that detailed **ROI calculation, patient throughput, patient satisfaction** and **data error rates.**

**ENVIRONMENT:** Informatica, Java, Eclipse, GitHub, Bitbucket, Jira, Confluence, Epic EHR, Oracle, SQL Server, Toad, Visio, UFT, Load Runner, Scrum

**DaVita - Denver, CO Nov 2017 – June 2018**

**Sr. Business System Analyst**

The project involves Clinical Trial Study structuring and development of collectors for site data entry of phase 1 to support data management and reduce clinical trial timeline, cost and risk through electronics data capture and query management.

**RESPONSIBILITIES:**

* Collaborated with development operation stakeholder and gathered requirements for clinical operations, clinical development, data management, tech ops, imaging and statistical programming groups.
* Translated the business requirements into functional, non-functional and operational requirements and created **BRD,** assisted in creating product backlog, **user** **story**, functional and non-functional documents with respect to clinical trials.
* Created **UML** diagrams including **use case, activity, sequence diagrams** and also processed **change request**, reviewed data entered by investigational site staff and initiated end of study PDF rendering.
* Acted as a Point of contact and technical subject matter expert for the clinical development operations team and assist them in identifying areas of improvement.
* Facilitated in prioritizing items in **Product Backlog**, assisted in creating **User stories,** **Acceptance Criteria, Definition of Done** and assisted scrum master in conducting scrum ceremonies like **Sprint Planning, Daily Scrum, Sprint Review, Sprint Retrospective** and **Backlog Grooming**.
* Reviewed **SDTM** standards mapping specifications, electronics Case report form (**eCRFS**) and SDTM conversion issue logs to assist the development team with issues regarding mapping of clinical study data to **SDTM domains**.
* Maintained Known Error Database (**KEDB**) to document known recurring errors with no permanent solution and its cause and performed root cause analysis to suggest workaround and manage those recurring issues.
* Assisted in deploying process changes and user adoption of **EDC** platform, reporting platforms, Clinical Trial Management system (**CTMS**), Labware Laboratory Information Management System (**LIMS**) and other application.
* Designed data stage **ETL** jobs for extracting data from heterogeneous source systems, transform and load into **Data Marts.**
* Wrote and reviewed **Test Cases, Tests Scripts** and managed **Traceability Matrix** along with the testing team and performed **UAT**.
* Optimized clinical systems to function efficiently and effectively within clinical programs by generating complex and reusable **macros** in **SQL** for **Data Cleaning, Validation** and analysis of report generation.
* Generated **tables, graphs and listings** for clinical study reports and regulatory submission.
* Developed training programs and assisted in developing user and system administration procedures specific to clinical systems.

**ENVIRONMENT:** Rave EDC, Medidata Rave CTMS, LabWare LIMS, Tableau, SDTM, QTP, SQL Server, SSIS, MS Project, JIRA, Water-Scrum-Fall

**CareSource – Dayton, OH Nov 2016 – Aug 2017**

**Sr. Business System Analyst**

The project was to implement web-based core claims processing system replacing the existing legacy system. The company had to migrate their HMO, PPO and POS offerings to the new system to create a single enterprise wide information solution.

**RESPONSIBILITIES:**

* Participated and organized requirement gathering sessions with stakeholder to elicit and analyze requirements.
* Performed **GAP analysis** and **impact analysis** on the existing system and process.
* Conducted weekly meetings and designed the best **policies and procedures** to be followed while constructing new system.
* Created **UML** based feasibility studies and **Use case** models to communicate business requirements to the developers.
* Created **Business Requirement** document, **Functional Requirement** document and **Configuration Management** document.
* Involved in project planning, coordination and QA methodology in the implementation of the **EDI transaction** of the claims module and coordinated with project manager to prepare **project plan** in **MS Project** for process claims domain.
* Assessed data from legacy sources and created **conceptual** and **logical data models** for database design.
* Developed a data migration strategy for importing and transforming data in accordance with **HIPAA** guidelines.
* Performed **EDI 834** file load through Membership Maintenance subsystem (**MMS**) and worked on solving and documenting errors occurred during the loading data.
* Created keyword files so that member data can be bulk loaded into the system through **MMS batch processing** and worked on mapping **850, 820, 834, 855, 856** transaction (**EDI to XML, XML to EDI** and **delimited to XML**).
* Used **TriZetto HIPAA Gateway** to comply with **HIPAA standards (270/271, 276/277 and 837)** for EDI transactions and was responsible for full HIPAA compliance lifecycle.
* Maintained traceability of the migration project and validated business continuity.
* Assisted Product Owner in prioritizing features and user stories in Product Backlog, helped in breaking user stories into tasks during Sprint Planning and assisted Scrum Master in conducting Scrum ceremonies.
* Developed **Test Cases, Testing Criteria, Test Data** and **Test Scripts** and performed **Unit Testing, Regressing** and **Process Flow Testing** to validate the system.
* Worked closely with QA and developers to clarify functionality and resolve issues and managed bugs and defects using JIRA.
* Analyzed configuration across different lines of business-like **HMO, PPO and POS**.
* Prepared report specification document and performed reporting analysis.

**ENVIRONMENT:**Java, T-SQL, Oracle, Unified Functional Testing, Load Runner and ALM/QC, SharePoint, Water-Scrum-Fall

**Lilavati Hospital and Research Centre – Mumbai, India Feb 2015 – Oct 2016**

**Business Analyst:**

The goal of the project was to enhance the point of care application which manages all clinical documentation, assessments, physician orders, notes, labs, reports, EHR, etc.

**RESPONSIBILITIES:**

* Performed **SWOT** and **GAP analysis** on the existing system
* Participated in stakeholders’ meetings and gathered business requirements specification for the data warehouse design documented the requirements in **Business Requirement document** and **Functional Requirement document**.
* Assisted data architect in creating **system specification** and created **logical and conceptual data model**.
* Developed and supported the **ETL** process for the data warehouse from various data sources.
* Manage scope and change requests throughout the project lifecycle.
* Conducted **JAD** sessions and **data modeling**.
* Analyzed business requirements and created **use case, activity, sequence and workflow** diagrams.
* Worked on the **ETL specification**, implementation and **ANSI X-12 data** translations
* Identified and documented the dependencies between the business processes.
* Executed **SQL** queries to test the database for records that detect and submit functional acknowledgement and remittance advice in the claims application.
* Created test cases, test scripts, test strategy and conducted with QA team for testing, reporting and tracking bugs using **Test manager**
* Conducted **user acceptance testing** efforts to verify that the developed reports meet the requirements.

**ENVIRONMENT:** Visio, Test Manager, Informatica, Erwin, SharePoint, MySQL, SQL Server, Rational Tool Suite, Waterfall

**Nanavati Super Specialty Hospital – Mumbai, India Sep 2013 – Dec 2014**

**Business Data Analyst:**

The goal of the project was to integrate patient Management system with billing system. The project also involved creating Reports such as Denial, Self-Pay, Administrative Adjustment, Missing charges.

**RESPONSIBILITIES:**

* Gathered business requirements through interview, surveys and through JAD sessions with business stakeholders.
* Developed use cases and activity diagrams and analyzed business requirements.
* Created business requirement documents, functional requirement document and documented functional and non-functional requirements.
* Assisted design team in creating system design document, clarifying any doubts and making them understand the business user perspective.
* Created and maintain traceability matrix for the entire duration of project.
* Managed change request and conducted impact analysis and documented them in change request document.
* Involved in ETL design for data integration and master data management.
* Created business insight dashboards and business insight advanced prototypes for the user to understand new features and functionalities.
* Worked as a liaison between clinical staff and development team.
* Conducted risk analysis and assisted in creating risk mitigation and risk charter.
* Performed user acceptance testing and played a key role in the implementation of system.

**ENVIRONMENT:** Rational Requisite Pro, SharePoint, UML, MS Visio, MS Access, SSIS, Talend, Tableau, Waterfall

**Saifee Hospital – Mumbai, India June 2012 – July 2013**

**Software Engineer**

Website development and maintenance for the hospital.

**RESPONSIBILITIES:**

* Involved in the design, development, test, deployment and maintenance of the website.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS and JavaScript.
* Responsible for setting up Python REST API framework using DJANGO.
* Designed and developed data management system using MySQL.
* Created scripts to parse XML documents and load in database.
* Wrote validation scripts in SQL to validate data loading.
* Created test cases in python using Math and OS modules and performed automation unit and system integration testing.
* Used git for the purpose of version control and source code maintenance.
* Responsible for debugging and troubleshooting the web application.

**ENVIRONMENT:** Python 2.7, Django, MySQL, HTML, CSS, JavaScript, jQuery REST, GIT, Linux, XP methodology

**EDUCATION:**

**Bachelor of Engineering, Electronics Engineering**

University of Mumbai, India