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# Karthik Darla

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### Experience Summary

An accomplished and result-oriented Business Systems Analyst with 10 years of experience in various domains such as Finance,Brokerage, Insurance, Banking and Information Technology both as Business Analyst and as a developer. Extensive experience in delivering and deploying large scale projects. Managed and coached several teams on agile framework to effectively release the projects. Analytical thinker, problem solver, quick learner with ability to adapt to new environments.

* Strong subject matter expertise in **Portfolio Management**, **Data warehousing**, **Trading, Insurance** and **IT**.
* Extensive experience in communicating with **Subject Matter Experts (SME’s),gathering requirements**, analyzing **Business Processes**, documenting various **artifacts** and **testing operations**.
* Interacted and coordinated with **technical** and **non-technical** clients.
* An in-depth knowledge of various phases of **Software Development Life Cycle (SDLC)** and different development methodologies of such as **Waterfall, Agile/Scrum, RUP** and **Hybrid Model**.
* Extensive experience in **Requirements Gathering** process using different elicitation techniques such as **Client Interviewing, Workshops, job shadowing, survey/Questionnaire** etc.
* Worked extensively on **GAP analysis**, **Impact Analysis**, **Root-Cause Analysis**, **Cause & Effect Analysis**, **Cost-Benefit Analysis, Feasibility Analysis, ROI Analysis, Risk Analysis, Project Analysis** and documentation.
* Experience in deriving at Functional and Non-Functional requirements of System by conducting **Joint Application Development (JAD)** sessions.
* Extensive experience in converting **Business Requirements** into **System RequirementSpecifications** (SRS).
* Extensive experience in creating artifacts such as **Business Requirement Documents (BRD), Functional Requirement Specification (FRS), Software Requirement Specification (SRS), Change Request Analysis, Requirements Traceability Matrix(RTM)** and also in creating static and dynamic prototyping.
* Solid understanding of various protocols like SOAP and those that compose the Internet Protocol Suite like **HTTP, TCP, FTP** etc.
* Comprehensive knowledge of web services related concepts such as **XML, WSDL, HTML, Ajax, SOA, API** and **web architecture.** Comprehensive knowledge of business engines and XML schemas.
* Extensive knowledge in using Web Services for the projects. Acted as a source to find external Web Services to be consumed by the project.
* Actively contributed for **SOA Orchestration** and set up of **Business Engine.**
* Extensive knowledge in **3-tier** and **n-tier** architecture.
* Extensive knowledge in programing languages such as **C, C++, JAVA, .NET, SQL**
* Good at both **Object Oriented** and **Object Structured** Programming languages.
* Experience in creating **Use Case Diagrams, Sequence Diagrams, Activity Diagrams, Data-Flow Diagrams, Process Work-Flow Diagrams, Class Diagrams** and other UML based diagrams using **MS Visio, Rational Rose** etc.
* Excellent knowledge of **SQL Queries** for **Data Validation** and **Data Integration** for timely reporting purposes.
* Very good understanding of **Databases**, **Data Warehousing** and **Business Intelligence**. Also created **Data Table Structures, Schemas, Data Marts** and**Data-Entity relationships**.
* Strong subject matter expertise in Investment Banking and Global Capital Markets; **Trading**, Order Execution, **Automated** Trading, **Brokerage, Credit Risk** and Portfolio Management.
* Excellent working knowledge of**ETL tools** such as **Informatica** and **Tablea**u for retrieving, analyzing, transforming and reporting data to formulate useful information for **business analysis** purpose. Knowledge in **OLAP** operations.
* Experience in working on Database applications such as **TOAD**, **SQL Server Studio** including installation through remote site, setting up logins to different databases and different schemas.
* Coordinated with Architects in various architectural designs such as **conceptual, logical and physical designs**.
* Documented and created **Test Plans, Test Scenarios, Test Objectives, Test Cases, Test Logs** and **Run Books**. Knowledge in conducting **User Acceptance Testing (UAT)** and verifying **performance, reliability** and **fault tolerance** issues.
* Experience in financial management:**Financial Statements, Cash Flow Analysis**, and **Cost Analysis**.
* Exceptional ability to quickly master new concepts. A **proactive team player** with excellent**business, analytical, communication, presentation, writing** skills along with **team management** skills.
* Good problem solving skills and proficient in working with teams located at diverse locations.

**Technical Competencies**

**Documentation Tools:** MS Office, SharePoint

**Databases:** Microsoft SQL Server 2012/2008, MS Access, Oracle 9i/10g

**Languages:** C, C++, .NET Java, J2EE, SQL.

**ETL Tools:** Informatica, Pentaho

**BI Reporting tools:** Crystal Reports, Tableau, XSL FO, IBM Cognos 10, SAP Business Objects.

**Testing Tools:** HP Quality Center (QC), HP ALM, JIRA, MS Test Manager 2013, Load Runner, Win Runner

**Methodologies:** Waterfall, Agile/Scrum/RUP.

**Modeling Tools:** MS Visio, Rational Rose, Requisite Pro, Clear Case, Clear Quest&Mockup Screens.

**Web Technologies:** HTML, CSS, JavaScript, ASP.Net, C#, AJAX

**Project Management Tools:** MS Project Professional, JIRA.

**Statistical Tools:** SPSS, PHStat and SAS 9.4

**Professional Experience**

Client: **SEI Wealth Management, Oaks, Pennsylvania** July 2014 - Present

Role: **Sr. Business System Analyst**

Project: **Portfolio Management System**

**Description:**The project’s main objective was to create an investment proposal system, a web application which seeks input from individual investor, in the form of answer to a set of dynamic questionnaire, so as to ascertain the investment strategy, ascribe asset classes, quantify customer risk appetite, and determine asset allocation and its weightage. With these inputs, application should generate an exclusive, customized investment plan to individual investor and also generate useful reports for the portfolio.

**Roles & Responsibilities:**

* Responsible for creating and reviewing **business requirements, functional specifications, project schedules, documentation and test plans**.
* Worked extensively with SMEs in understanding and documenting their requirements. Worked with all levels of client staff in the process of solution definition.
* Designed and developed **Use Cases, Use Case Diagrams using UML**.
* Assisted with evaluation, customization and system integration. **Conducted GAP** analysis around the identification of business rules, business and system process flows, user administration, requirements and assumptions.
* Analyzed user problems, including automated and manual business processes, and identified, researched, investigated, defined and documented business processes.
* Used **Mockup screens** to convey the look and feel of the **GUI screens** for the end users to developers.
* Extensively interacted with data analysts during the **ETL operations** in identifying the source file/databases from **OLTP systems** and implementing the transformation logic.
* Supported **testing, Test Cases** in HP Quality center that would test various **Test scenarios**.
* Authored business requirements documents with the business users. Extracted, discussed, and refined business requirements from business users and team members.
* Involved in **documentation** during various phases of development life cycle.
* Extensively interacted with **BI application** developers for **generating** and **testing**of**dashboards**
* Used various **SQL** commands like Create, Delete, Update, and Inner, Outer, Left, and Right Joins to update the database and retrieve data for **data analysis** and **validation**
* Performed **UAT** on business requirements, technical specifications.
* Collaborated with the training department to provide users with **training** on the enhanced functionality and tools newly built.
* Established **Key performance indicators** (KPI) for the application performance measurement in specific functional area of the organization.

**Environment:** Windows 98/XP/7/Vista/8, MS Office Suite (Word, PowerPoint, Excel, Outlook), MS Project, Visio, UML, SharePoint 2013, SQL Server Services, IBM Cognos, Informatica, Mockup Screens.

Client: **John Hancock Financial Network, Columbus, Ohio** Jan 2013 – Jun 2014

Role: **Business System Analyst**

Project: **Online Trading Application**

**Description:** Worked on anOnline Trading Application for secondary markets which was used to create client accounts, capture trades and execute trades for the clients by portfolio managers and traders. This application was used to develop in house reports and help in keeping track of the client’s portfolio, Reconciliation, P&L Analysis.

**Roles & Responsibilities:**

* Gathered business requirements and developed **BRD & FSD**
* Prepared project deliverables such as **business workflow analysis, process analysis, user requirement documents (use cases and use case diagrams)** and **managed the requirements** using **Rational Requisite Pro**.
* Followed **Waterfall methodology** and was extensively involved in each phase of **SDLC**
* Updated the **internal glossary system** to include all derivatives pricing and **trading** related terminologies.
* Used **UML methodology** to prepare **Use Cases** from the gathered requirements and created diagrams using **MS Visio**.
* Involved in gathering the **Data requirements, data analysis** and defining the **Data Mapping**.
* Effectively implemented the change control processes and also update the impacted business process documentations.
* Conducted **JAD** sessions with various stakeholders and project team
* Used **MS Project** to manage **schedules, deadlines, resources** and the **project tasks**.
* Extensively used **SQL** and **Excel** for **Data Analysis**.
* **Planned** and implemented **Test Plans**, **Test Scenarios** and **Test Cases**.
* Gained understanding on internal controls as a part of **SOX compliance.** Involved in defining the templates for reports for SOX compliance.
* Independently prepared **UAT test plans**, **test conditions**, **test cases** and developed user **training manuals**. Conducted UAT and maintained all log of defects in test director. Developed the **training schedules**, documents and **trained** the users.

**Environment: SQL, SQL Server, Oracle, Windows, MS Office, MS Visio, MS Project, GAP Analysis, Waterfall Methodology**.

Client: **Genworth Financial, Richmond, Virginia** Nov 2011 – Dec 2012

Role: **Business System Analyst**

Project: **Data Warehouse**

**Description:**Scope of the Project involves developing Data warehouse from the various operational functional areas systems like Accounting, Support, Human resource, CRM, ERP, sales, marketing and creating BI reports for predictive modeling and Ad-hoc querying for management to visualize Business performance. It also facilitated creation of data marts to generate periodic reports like monthly and quarterly reports. A portal with login functionality was provided to selected users/internal clients from that department to view the detailed reports by incorporating Business Intelligence tools to generate necessary dashboards.

**Roles & Responsibilities:**

* Involved in identifying the problem definition as part of continuous process improvement using define, measure, analyze and improve to support the business continuity of the organization
* Acted as a liaison between management and **Data Warehouse** management team.
* Extensively interacted with data analysts during the **ETL operations** in identifying the **source files/databases** and implementing the transformation logic for achieving data uniformity in **operational data store** (ODS).
* Facilitated **JAD** sessions with **focus groups**, **requirements workshops, Interface analysis** and **prototyping** to effectively understand the analytical reports needed by the internal clients.
* Coordinated with the DW architects and developers to identify appropriate **dimensional modelling** (identifying dimensions/facts/referential integrity), **measures** (additive/semi-additive/non additive) and **sizing** (in terms of number of columns, records per dimension and fact table).
* Gathered **business requirements** and understood the goal of data warehouse.
* Used **Mockup screens** to convey the look and feel of **GUI screens** for the end users to developers.
* Established **Requirements Traceability Matrix (RTM)** using **Rational Requisite Pro** to trace the completeness of requirements
* Successfully analyzed the **functional/non-functional requirements** of the data warehouse for generating **BI reports** and communicated the same to architects and developers.
* Involved in identifying and suggesting the different dimensions (slowly changing dimensions/rapidly changing dimensions) required for generating the reports and **OLAP cubes** to facilitate the **multi-dimensional** view of the data to generate **slicing/dicing, roll-up/drill-down reports**.
* Used various **SQL** commands like Create, Delete, Update, and Inner, Outer, Left, and Right Joins to update the database and retrieve data for data analysis and validation.
* Used **Unified Modeling Language (UML)** to prepare Use Cases diagrams, process flow diagrams, sequence diagrams from the gathered requirements and created diagrams using **MS Visio**.
* Excellent experience in design and development of Data warehousing solutions and generation of **OLAP reports**.
* Coordinated with Project Manager to create **WBS, manage schedules, deadlines, resources** and the **project tasks** using **MS Project.**
* Extensively interacted with the designers, developers to ensure functional implementation of business requirements and QA Team in executing **Test Plans**, **Test Scenarios** and **Test Cases**.
* Extensively used **SQL Queries** for **data analysis**, **system verification** and **validation**.
* Involved in Project Management activities like defining / managing project scope, schedule management, **creating project plans, tracking** and communicating project status and **deliverables**.
* Coordinated the execution of **Unit Testing, System Integration Testing (SIT), Performance & Service level testing** and **User Acceptance Testing (UAT).**

**Environment:Windows (98/XP/7/Vista/8), MS Office Suite (Word, PowerPoint, Excel, Outlook), MS Project, Visio, UML, SharePoint 2013, SQL Server Services, IBMCognos, Informatica, Mockup Screens**.

Client: **ING Vysya Bank, Hyderabad, India** March 2010 –Sep 2011

Role: **Business Analyst**

Project: **Loan Management system**

**Description:** ING Vysya Bank Limited is an Indian banking and financial services company and is one of thelargest bank in India. The objective of the project was to create a unified loan management system, which can facilitate speedy flow of information by rationalized process flow and through the creation of integrated database, and interactive user interface. The project’s focus was on authorization and authentication matrix for enhanced security at the same time application shall use multiple web services for enhanced flow of information with the help of system oriented architecture.

**Roles &Responsibilities:**

* Responsible for creating and reviewing **business requirements, functional specifications, project schedules, documentation** and **test plans** related to commercial lending
* Worked extensively with SMEs in understanding and documenting their requirements. Worked with all levels of client staff in the process of solution definition
* Assisted with **product evaluation, product customization** and **system integration**. Conducted **GAP analysis** around the identification of business rules, business and system process flows, user administration, requirements and assumptions
* Designed and developed **Use Cases, Use Case Diagrams** and **Activity Diagrams** using **UML**
* Supported **testing, Test Cases** in **HP Quality Center** that would test various **Test scenarios**
* Authored business requirements documents with the business users. Extracted, discussed, and refined business requirements from business users and team members.
* Involved in **documentation** during various phases of development life cycle.
* Coordinated activities between business unit and technical staff, developed new methods, policies, and procedures to meet the business needs, as well as acted as primary trainer in educating the business units, related to business applications.
* Performed **UAT** on business requirements, technical specifications and product knowledge.

**Environment:** Microsoft Project, **Oracle, JAVA, MS Excel, MS Access, HP Quality Center, MS Visio, MS Project**.

Client: **Syndicate Bank, Hyderabad, India.** Dec 2008- Jan 2010

Role: **Java Developer**

Project: **Loan Origination System.**

**Description:**Loan Origination System automates and manages the complete application processing flow of any finance lending instrument, be it working capital loan, trade finance loan, investments loan, and treasury loan. The system takes the acquisition from the first contact, to application form acceptance, its workflow through various stages, queue management, deviation management, user management and access controls, right up to the reject/approval decision for the disbursement.

**Roles & Responsibilities:**

* Involved in identifying the problem definition as part of continuous process improvement using define, measure, analyze and improve to support the business continuity of the organization
* Involved in analysis of business requirements and major enhancements, Unit Test Plan.
* Developed new code components as per the business requirements.
* Developed oracle stored procedures, functions, triggers etc.Involved in client trainings and UAT at client side.
* Used Jdeveloper, Eclipse as developments IDE.
* Used tools like VSS and ClearCase for version maintenance.
* Defects fixing in Integration testing phase and System Testing phase.
* Fixed various issues and Change Request as part of production release.
* Involved in configuration of Oracle 10gR2 and Oracle 10gR3 application server for application deployment.

**Environment: Java/J2EE, Struts 1.2, EJB 2.0, JSP, JMS, Oracle 10g AS, Oracle 9i DB.**

Client: **Canara Bank, Hyderabad, India** Feb2007 – Nov 2008

Role: **Java Developer**

Project: **Internet Banking Application**

**Description:** Internet Banking Application (IBA) helps customers to check account balance, transfer funds, view transaction history, view transaction status, view bank’s branch locations and timings. The most interesting feature is that this application also allows tracking loan taken by the customer.

**Roles &Responsibilities:**

* Involved in analysis, design and development of IBA application and developed specifications which include Use Cases, Class Diagrams, Sequence Diagrams and Activity Diagrams.
* Developed server side applications using Servlets and JDBC.
* Used **Ant** for building the application.
* Used **JMS** for communicating various clients and its components.
* Used **JUnit** for Testing.Involved into coding using core java technologies like **inheritance, abstraction**, etc.
* Deployed applications on **JBoss server.** Extensively configured the build files to different Environments
* Developed Session Beans which encapsulates the workflow logic
* Used Entity Beans to persist the data into database and also used Message Driven Beans MDB to notify the bean state.
* Developed **EJB** components for middle tier component implementation and business logic implementation.
* Used Struts the MVC framework for building web applications.
* Developed web pages by using **HTML, CSS** and **JavaScript**.
* Developed **SQL database** scripts and written Stored Procedures and Triggers.
* Created User guide and application support document.
* Involved in regression testing, evaluating the response times, and resolving the connection pooling issues.

**EnvironmentCore Java, JDK, Struts, JDBC, HTML, CSS, JavaScript, Servlets, SQL, JBoss, JUnit**.

Client: **Life Insurance Corporation, Hyderabad, India** July 2005 – Jan 2007

Role: **.NET Developer**

Project: **Online Banking Application**

**Description:** Worked on development of on-line application processing and premium tracking system for Life Insurance Corporation of India.

**Roles &Responsibilities:**

* Application design based on n-tier Architecture and extensively involved in the **Database design** and **Data Migration**.
* Extensively involved in developing Data access components by using Microsoft application blocks.
* Worked on **SQL Queries**, **Triggers, Backup and Restore Database, Defining roles, creating database users**.
* Assigning Roles to users using SQL Server 2005.
* Created a **Setup Package (.msi),** compiled application in debug and release mode by Using **Visual Studio. NET2005**.
* Participated in full software development lifecycle. Prepared project plan using Microsoft Project.
* Responsible for configuration management (Configuring the Project in **VSS**, Taking **VSS backup** etc.).
* Done **unit testing**, **integration testing** and **regression testing**. Testing of database, queries optimization and performance

**Environment**: **C#, .Net , Visual Studio 2005 SQL Server 2000, .Net Remoting, Microsoft Project, Windows 2003**.

### Education

**Academics:** Bachelor in Electronics & Communication Engineering, JNTU University, Hyderabad, India.

**Certification:** Certified Scrum Master from International Scrum Institute (CSM)