***Santhosh P. Sequiera***

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**Summary:**

vA competent and result oriented professional with over **15 years** of progressive IT experience as **Senior Mainframe Programmer / Senior Mainframe Systems Analyst / Technical Lead** in the Evaluation, Analysis, Design, Architect, Development, Testing, Maintenance and Support of mainframe hosted business applications using database management systems, high level programming languages and best practices.

vExtensive experience in gathering requirements, designing and implementing new applications and/or enhancements, including the addition of new subsystems, as well as major changes to existing “baseline” subsystems. Actively involved in all phases of the software development life cycle right from Scope Definition, Requirement Study, Estimations, Analysis, Design, Coding, Testing, Customer Demonstration, Implementation and Knowledge transfer activities.

vIn depth experience in IBM-Mainframes technologies including but not limited to, **COBOL, CICS, DB2, WebSphere MQ, CICS Web services, DB2 XML Extender, VSAM, JCL, SAS, IMS, Oracle, IBM and CA utilities** in Mainframes, Unix, Windows and Linux OS.

vExperience in DB2 database analysis, design of database model, normalization and data manipulation process. Proficient in performance monitoring and tuning of large DB2 mainframe databases.

vHighly motivated, strong work ethic, analytical and mathematical skills backed by sound technical and functional knowledge in **state/federal government, transportation, nonprofit organization, telecom, hotel management, mortgage and financial domains**.

vExperience in analyzing the entire system and impact with the other backend and front-end systems. Avid learner, enthusiast and independent web developer.

vIn depth knowledge of software methodologies, Software Development Life Cycle Standards (SDLC) with CMM level (4) with well-structured and best practices approach, utilizing project management flows. Used Joint Application Development (JAD) / Rapid Application Development (RAD) processes to deliver better results. Implemented AGILE –SCRUM Project Development Methodology.

vExperience in leading a module, working with clients to gather requirements, scheduling/allocating/monitoring/reviewing work among the team and being responsible for the successful delivery of the entire project/sub-project(s).

vExposure to Data ware house concepts and ETL tools. Worked closely with ETL specialist in determining and implementing the best technique for extracting data from a particular source system (DB2 tables and/or files) and moving it to the BI system.

vFlexible, organized and absolute team member with both excellent management and technical skills. Proven ability to manage and grow multicultural teams consisting of both junior and senior members. Willingness to undertake risks and deliver on responsibilities.

vExcellent prioritization and organization skills including ability to establish priorities independently, strong self-initiative, strong interpersonal skills, ability to deal effectively in a team environment and clear communication skills.

vExpertise in performing different types of testing: Unit, Integration, Stress, Volume, System, Regression and User acceptance testing.

vServed as primary contact for migration of applications to production, monitoring and support of nightly batch cycle (on call production support).

vAbility to multi-task and assume leadership role if required. Pleasing, amiable disposition and a proactive team player

vExperience in understanding business requirements, preparing low level design, functional/technical  specification documents.

**Accreditations:**

Certified Scrum Master.

Certified Scrum Product Owner.

ITIL (Information Technology Infrastructure Library) V3 Foundation Certification.

IBM Certified Database Administrator - DB2 9 DBA for z/OS

IBM Certified Solution Designer - WebSphere MQ V6.0

SAS Programming SAS 9 Certification

Hold Master’s Degree in Computers.

Hold public trust security clearance.

**Professional trainings attended:**

vITIL Workshop, FP Counting, PM tool MS Project (2 Weeks).

vSix Sigma, Scrum Methodologies (2 Days).

vInformation builders Webfocus business intelligence product (1 week).

vCSQA Practices at IBM at VA, USA (1 Week).

vCICS, DB2, VSAM, MVS & JCL at IBM, Bangalore (2 Months).

vJava and UNIX training at Bangalore (1 Month).

vMainframe BMC (1 day).

**Employer Matrix:**

|  |  |
| --- | --- |
| TMI-Solutions, MD, USA | August 2005 – till date |
| IBM Global Services, USA | August 2001 – July 2005 |
| IT Solutions, India | March 1998 – July 2001 |

**Technical Skills:**

|  |  |
| --- | --- |
| Operating Systems | MVS/ESA, Z/OS, OS/390, Windows, UNIX. |
| Languages | COBOL, PL/I, JCL, SAS, REXX, .NET, C#, Java, C, C++, XML. |
| OLTP | CICS, IMS/DC, ISPF Panels. |
| Databases | DB2, UDB, IMS/DB, VSAM, Oracle. |
| Tools and Utilities | TSO, Visio, Erwin, BMC utility, QMF, SPUFI, ETI, MQ Series, CICS Web services, Endevor, Changeman, Easytrieve, CTG, DB2 Connect, DOC Direct, Omegamon, Expeditor, File-Aid, File-Manager, FTP, OPC, RMDS, SCLM, CLIST, Web focus, ETL, stored procedures, Intertest, QUICKSTART, ABEND-AID, CONNECT Direct, SORT, syncsort, fault detector, DB2 mainview, general IBM and CA Utilities. |

**Professional Experience:**

**Client: Marriot International - Bethesda, MD**

Role: Sr. Consultant May 2012 to Current

**Description**: Marriott's Automated Reservations System for Hotel Accommodations (MARSHA) is known in the hospitality industry as one of the best reservations systems in the world, a leader in the industry.

**Key Accomplishments:**

ØDeveloped and Tested new programs and enhancements for Group Pace Eclipse for One Yield Strategy project.

ØWorked on enhancements/fixes for One Yield Strategy and Revenue Planning DB2 Stored Procedures and tested them using IBM Data Studio.

ØManaged Daily Batch process for the 3 regions USA, Europe and Asia, as a member of Production support team assisting in System maintenance and deployment.

ØInvolved in disaster recovery exercises between production & contingency data centers.

ØWritten/Modified several batch programs using COBOL, Stored Procedures, DB2, MQ and VSAM.

ØManaged Queues using RFHUTILC and MQ explorer.

ØMeet with end users and department heads to gather and document requirements, establish technical specifications.

ØInvestigated complicated performance and stability issues involving a large, sophisticated and evolving code base. Involved in tuning the database to increase the overall performance.

ØInvolved in the transition of Marriott International Account to TCS.

ØActively involved with customers to determine business requirements.

ØPrepared technical design document, flow charts, OY/TY process info, and helpful quick reference guides for Marriott IRSS team.

**Environment:** MVS/ESA, VSAM, COBOL, DB2, JCL, QMF, BMC, SFTP, REXX, SAS, ENDEVOR, ORACLE, Mainview, MQ Series, File-Aid, QMF, SPUFI.

**Client: Lockheed Martin/SSA – Baltimore, MD**

Role: Sr. Mainframe Programmer/ Data Modeler January 2012 to April 2012

**Description**: The Social Security Administration (SSA) is committed to improving the quality and speed of the disability process by examining the entire process from the first contact with the applicant through the final level of appeal. The primary purpose of the Disability Case Processing System (DCPS) project is to replace the current five disability case processing systems with a modern web-enabled common system. This new common system will also allow SSA and the  disability processing components to leverage the latest systems architecture, security and application development technologies and standards, and to lay the foundation to support future HIT initiatives and improved interfaces with other SSA components.  DCPS will -

• Support the Disability Determination business process

• Use Service Oriented Architecture principles

• Be flexible so changes to policy, procedures, or law can be accommodated quickly and easily

• Integrate with existing software applications already in use by other agency components

• Access historical data

**Key Accomplishments:**

ØParticipated in requirement gathering session with business users to understand and document the business requirements as well as the goals of the project.

ØIdentified various facts, dimensions, bridges and cross reference entities from the source system and business requirements to be used for the data warehouse system consultative exam (CE) and fiscal subject area.

ØImplemented the standard naming conventions for the entities and attributes of logical and physical model.

ØCreated the dimensional logical model with approximately 50 entities and 600 attributes using ERWIN.

ØReviewed the logical model with Business users, ETL Team, DBA’s and testing team to provide information about the data model and business requirements.

ØEnsured timely deliveries of work requests. Reported daily status to Technical Delivery Manager and Management.

**Client: Freddie Mac, Mclean, VA (FRE)**

Role: Sr. Software Engineer/Sr. Systems Analyst July 2011 to December 2011

**Description**: Disclosed pools Partial sale – Currently pools are sold 100% and the system should be enhanced to allow partial sale on disclosed pools.

LIA Short term – Implement short term solution for the business to adjust BASIS by mean of a sequential file feed.

SIA, FAS140 – Create control to validate data movement across system.

**Key Accomplishments:**

ØAnalyzed the business requirements and prepared the solution requirement specification document (SRS).

ØRecommended system enhancement option by changing EZTRIEVE program to COBOL and reducing run time from 4 hours to 20 minutes, out of box thinking by changing frequent failing SORT utility job (due to SORT WORK area) to COBOL program.

ØDesigned developed and delivered the loan modification (HAMP) changes on mainframe applications developed using COBOL, DB2, stored procedures and SAS.

**Environment:** Mainframe, DB2, IMS, COBOL, CICS, JCL, VSAM, Easytrieve, REXX, SAS, Quick start, Omegamon, File-Aid, SPUFI, QMF, BMC, File-aid for DB2 and general IBM utilities.

**Client: American Association of Retired Persons (AARP)**

Role: Sr. Software Engineer/Sr. Systems Analyst October 2010 to July 2011

**Description**: AARP is a non-governmental/non-profit organization and interest group for people age 50 and over, dedicated to enhancing quality of life which provides a wide range of unique benefits, special products, and services for members. AARP offers Medicare supplemental health insurance, discounts on prescription drugs and consumer goods, entertainment and travel packages, long-term care insurance and automobile, home and life insurance. It provides quality control over the products and services made available by AARP-endorsed providers. AARP has over 45 million members, making it one of the largest membership organizations in the United States.

The project is about steering the overall responsibility of Major Enhancements as per the Contract, SLAs and Client needs, also ensured smooth running of business within the project level, and addressing any issues, managing the constraints, monitor, capture and Report Project Metrics, status to the PMO / Delivery Head as expected.

**Key Accomplishments:**

ØInteracted with the users and prepared specifications, Low level design documents and estimates. Analyzed and documented the business and system requirements.

ØSpearheaded the design and coding of a highly scalable duplicate database cleanup without impacting the business community. Designed the data model (conceptual/logical/physical). Designed all the tables required to store combined accounts. About 5M duplicate accounts combined resulting significant revenue.

ØDesigned and coding “fuzzy logic” algorithm to stop creating duplicate and/or double base accounts in the KONNEX membership system. Used reverse engineering data model and 3rd normal form to maintain data integrity in the system.

ØDesigned, coded and tested several CICS/batch COBOL II, DB2, stored procedure, MQ series, CICS web services application programs.

ØInvolved in several knowledge sharing sessions, brought up best practices within team.

ØSolved problem logs, which involved extensive analysis, coding, testing and quality assurance.

ØInvestigated complicated performance and stability issues involving a large, sophisticated, and evolving code base. Involved in tuning the database to increase the overall performance.

ØContributed in the decomposition of sprint in the Agile Software Development with Scrum.

ØReviewed the work request execution by all the resources in the module.

**Environment:** Mainframe, DB2, COBOL, CICS, CICS Web services, JCL, VSAM, Easytrieve, REXX, Endevor, INTERTEST, Sapiens, BMC utility, Quick start, Omegamon, File-Aid, SPUFI, QMF, File-aid for DB2 and general IBM utilities.

**Client: Maryland Department of Transportation (MDOT)**

Role : Sr. Software Engineer/Sr. Systems Analyst August 2005 to September 2010

Domain : Transportation

**Description**: The ‘Financial Management Information System’ (FMIS) implemented using Mainframe financial (Relational Standard Accounting and Reporting System—R\*STARS) and purchasing (Advanced Purchasing and Inventory Control System—ADPICS) applications. MDOT’s financial system supports the interface to and reconciliation with the FMIS implementation for the State Comptroller. All modals within the department are using the same financial system.

The project is to provide analysis, design, development and support for MD State Department of Transportation's proprietary financial management information system (FMIS) used for order management, project accounting, federal aid billing, asset management, cost allocation, general ledger, accounts payable, accounts receivable, procurement and financial reporting.  This project manages data conversions and coordinates intra-departmental interfaces between financial applications to facilitate an integrated enterprise-wide solution.

**Key Accomplishments:**

ØDesigned, implemented and tested FMIS-IFMIS integration of subcontractor and subcontractor invoice documents using DB2 XML Extender and WMQ.

ØDesigned, implemented and tested the MAXIMO MXES-FMIS integration of BPO, PO, Requisition, Change Orders, Voucher, receipt and Invoice using CICS Web services.

ØDesigned and developed the new Federal Liability Offset process (FLO) for the Department of Budget and Management (DBM) using COBOL, DB2, VSAM and stored procedures.

ØInteracted with the users and prepared specifications and estimates. Analyzed and documented the business and system requirements. Made recommendations, researches and find out alternative solutions.

ØEstimated and negotiated the development efforts. Prepared low level design documents and estimates. Ensured timely deliverables meeting quality requirements.

ØCoordinated with the operations areas and lines of business to spot out and specify complex business requirements and processes.

ØRedesigned (Reverse engineering), implemented and tested the MBE / SBR vendor application programs for MDOT functional team members. The redesign has enabled the MDOT staff to keep a reliable track of certified MBE and SBR vendors.

ØParticipated in the design and implemented the ICCB subsystem in R\*STARS to capture expenditures that meet requirements for reimbursement from Maryland Transportation Authority (MDTA) and provide a systematic method of producing bills for MDTA.

ØWorked closely with the ETL architect to ensure compliance with all standards, and that the project deliverables are consistent with long-term infrastructure plans.

ØAnalyzed, designed and developed various tasks related to ETL and web focus to load the historical and current data to data warehouse/adhoc database.

ØDesigned, coded and tested several CICS/batch COBOL II, DB2, stored procedure, MQ series, CICS web services application programs.

ØDeveloped system operation manuals for the entire FMIS system.

ØPerformed configuration management duties for MDOT large-scale IBM mainframe environment. Controlled all migrations of application programs and system Job controls from test environment to production environment thru the use of Endevor, a software migration tool.

ØProvided technical support for FMIS financial system for “on time and under budget” projects.

ØDesign and prepare technical reports and related documentation, charts and graphs (VISIO) to record results.

ØProvided on-call technical support for the Financial Management Information System nightly batch cycle.

ØPrepared the metrics for the application to evaluate the quality standards. Provided the status reports to top management.

ØManaged the migration of the mainframe application modules (programs, copybooks, maps, DDLs, SYSINs, BINDPACKs, JCLs, PROCs) to various stages using endeavor.

**Environment:** Mainframe, DB2, DB2 XML Extender, Stored procedures, WMQ, COBOL, CICS, CICS Web services, JCL, VSAM, Web focus, ETL, Visio, Oracle, REXX, Endevor, INTERTEST, Windows Server and Unix server.

**Client: AT&T VA, NJ**

Role : Sr. Software Engineer/Sr. Systems Analyst                         June 2003 to July 2005

Role : Software Engineer/Systems Analyst August 2001 to May 2003

Domain : Telecom

**Description**: Development, maintenance, production support of SSIRS**,** an application in AT&T (Switched Services Information and Routing System). This is a system facility composed of five separate subsystems supporting NODAL SERVICES PROVISIONING. It expedites the transfer of information from marketing to customer service test rooms, Dial Administrators and Switch Control Centers by allowing the SDN (Software Defined Networks) Provisioning Centers to input routing information into on-line legacy data files. Thus SSIRS could provide accurate and reliable SDN data for faster routing of SDN troubles to the appropriate work center. For SDN locations SSIRS also provides accurate account LDN-ANI mapping and associated customer profile and service data. SSIRS interfaces include CDDS II, CDIS-NRD, GLITR, SDN-SMS, CLDS, CNRDB, NCD, POPIS, BMP, CMDS II, CDIS-CTSS, IRAS, NRA, NSP, TIMS, UMIU and 4CAST. SSIRS supports SDN, SDS (700 number services), MEG8/MULTIQUEST (800 number / 900 number services), MEGACOM and TSAA.

Also worked on Wide Area Telecommunication Services/Service Order Processor (WATS/SOP) system is one of the applications that are being migrated from AT&T in the U.S to IBM India. WATS/SOP is an order entry and distribution system designed to handle Inbound and Outbound business customer services for domestic and international usage. WATS/SOP interfaces with provisioning, billing, and other ordering systems to ensure end-to-end processing of service orders. It is an IMS (DB/DC), PL/I, and COBOL II based application with both on-line and batch processing.

**Key Accomplishments:**

ØSystem Appreciation – Understanding the whole system.

ØInvolved in the transition of AT&T Account from AT&T to IBM.

ØAccountable for designing, coding, development, testing, documentation and debugging of applications to fulfill the requirements of one or more user areas.

ØWritten new online programs with CICS, Batch, DB2, IMS and stored procedures.

ØRe-written the COBOL/CICS DB2/IMS programs to increase the overall performance of the system.

ØPrepared Low level Design docs and estimates.

ØAnalyzed and documented the business and system requirements.

ØEstimated and negotiated the development efforts.

ØWorked with multiple teams at onsite, as well as offshore teams. Prepared work specifications in co-ordination with the onsite team, allocation of work at offshore.

ØSupport, enhancement and maintenance existing mainframe applications.

ØSupport Integration and User Acceptance and System testing.

ØServed as primary contact for Production support of the application.

ØFulfilled the SLA’s as per the client requirements to solve the production problems and requirements.

ØResponsible for developing and maintaining the MQ series on mainframe platform. Designed and coded batch and CICS programs using MQ series.

ØManaged migration of various components from deployment area to integration system and production system.

ØReviewed the work request execution by all the resources in the module.

**Environment:** Mainframe, DB2, IMS, JCL, COBOL, PL1, WMQ, CICS, stored procedures, VSAM, Endevor, EXPEDITOR, REXX, Java, Servlet, JSP and a proprietary language CFL (Control Flow Language) and various IBM and CA utilities.

**Client: Wells Fargo, CA**

Role: Software Engineer March 1998 to July 2001

Domain: Banking

**Description:** The RBS, Retail Banking System, was maintained under DB2, IMS, CICS, and COBOL environment for Wells Fargo to cater its daily Operations. The application had rich set of tables, modules and processes for Savings Bank Accounts Processing, Loan/ Hire Purchase Processing, Credit Card Transaction Processing, Draft/ MT/ Check issuing Processing, Fixed Deposit Processing.

**Key Accomplishments:**

ØInvolved in the complete execution of the projects. i.e. Analysis, Design, Coding, Testing (Unit test, System test, Integration test, Stress test and UAT) and Rollout.

ØCarry out the Adhoc code changes, maintenance requests and quick fixes.

ØSolving Problem logs, which involve extensive analysis, coding, testing and quality assurance.

ØMaintaining application, technical support and documentation.

ØTroubleshoot data problems.

ØMonitoring daily, weekly, monthly, and quarterly jobs.

ØAnalyzing and fixing the regular job abends and problems reported by the users.

ØEnsuring that all the work meets the quality requirements according to ISO 9001 standards.

ØEnsuring timely deliveries of work requests.

**Environment:** Mainframe, COBOL, VSAM, CICS, MQ series, EZYTRIEVE, CHANGEMAN, JCL, DB2, IMS, Oracle, UNIX, Java, JSP, Servlet, Rational Rose and various IBM and CA utilities.