* *SME in Middleware enterprise integration for 12 years using Portal, SOA, BPM, BRMS, and ESB.*
* *Specialist MF Modernization – SOA,ESB, Web Services, Distributed System, Integration, SSO, and Cloud*
* *Hands on architect and Administrator using WebSphere Application Server 5 to 8.5 for WP and WCM, BPM, DataPower, ODM, WPS/IID, WTX, MQ, MQ-FTE, IIB/WMB, WBI, JMS, WSRR, JMX, HTTP, WS-\*, RESTful and SOAP based Web Services, and ITCAM*
* *SOA infrastructure architect for Oracle FUSION, WebLogic, OSB, Web Center Portal and ADF*
* *Systems Manager for IBM MF based Computer Center for 7 years*
* *Created 3 Large B2C/B2B Web Portals for Ecommerce and Healthcare. Installation and Migration for WebSphere Portal*
* *Solution architecture and Data Analysis using AWS, NoSQL, Big Data, Syslog, (un)structured Data.*
* *Advanced Training in DataPower Development and Administration, SSL, SSO, PKI, SAML. Extensively used Data Power for Java Security for Threat Prevention, WS- Security, Web Application Security, SSL/TLS, SAML, Encryption/Decryption, and PKI. API creation using Data Power and APIgee*
* *Android application development using Cloud services Internet and secured communication*
* *WAS8 migration to WAS liberty and Pivotal Cloud Foundry*
* *Process Analysis and Automation using Text Processing and Robotics*

***Kankan Roy***

[*http://www.linkedin.com/in/kankanroy*](http://www.linkedin.com/in/kankanroy)

**Skills**

**IBM**

DataPower XI52, XS40, XB60, ADV BPM 8.5, ODM 8, Lombardi 7.5, WAS 5-8.5, WAS liberty, Pivotal Cloud Foundry, Bluemix, JDK 1.8, WP and WCM, IID, IIB/WMB, COACH, UCA, BE/CEI, eXtreme, XC10, WBI, WSRR, WTX, ITCAM, MQFTE, RAD, RSA, IBM MF, CICS, DB2, USS, zOS, Assembler, COBOL, PL/I, MQ, JAVA, SPSS, BPEL, JMS, JAVA, J2EE, SPRING, Hibernate, JPA, JSR168/286, JCA, CTG, Python/Jython

**Others**

Hadoop, MongoDB, Coherence, Cassandra, NoSQL, HDFS, Pig, Hive, HBase, XML, XSLT, WSDL, XSD, BPEL, BPMN, NODEJS, AngularJS, CSS, HTML 5, Python, JavaScript, DOJO, JSON/BSON, RESTful and SOAP WS, HTML 5, Eclipse, Android Studio, JAVASCRIPT, jQuery, AJAX, MS SQL, Office 360, Sharepoint, Yammer, Visio, Words, Excel, Access, .Net, BizTalk, Visual Studio, C#, C/C++, ASP, IIS, MYSQL, Lucene/Solr, AWS, S3, RDS, DynamoDB, R, JSON, JBOSS, DROOLS, jBPM, jESB, Apache, Tomcat, Eclipse, Netbeans, GlassFish, Cygwin, Unix, Linux, Aix, Android, Ubantu, VMWare, Portal - JSR 168 JSR286

Fusion 11g/12c, Service Bus, WebLogic 11g/12c/10.3, BAM, B2B, OIM, OAM, BPM, BRMS, RAC, Coherence, JDeveloper, Oracle 11g, WebCenter, ADF, UCM, AQ, PL/SQL, JAVA 7, JMS, EM, OWMS, JPA, ADF BC

TOGAF, ZACHMAN, RUP, AGILE, SCRUM,WATERFALL, VISIO, UML, RSA, MEGA

WS-\*, PKI, SSL, SSH, SAML, SSO, LDAP, XCTML, KERBEROS, REVERSE PROXY, x.509

***Infosys March’14 till now***

*Principal, Enterprise Application Systems*

*Solutions architecture for migration of large applications from WAS 8 to WAS Liberty and to PCF and Bluemix.*

*MF Modernization Assessment for Toyota*

*Automation - Financial Business Process Manual Operation, Test Automation and Deployment Automation*

*ECRM Applications Migration from WAS6.1 to WAS8 in all SDLC environment for Honda North America. This was zero defect migration expected to 20% user community growth for next 5 years at least. Two continuous monitor in place for making analysis and collection of Application servers’ performance and response Analysis. Migration is done for all SDLC environment front ended with multiple IHS and edge servers and load balancer. QA and Production are switchable. Extensive Load testing was done to determine server sizes.*

*SME BPM ODM IID Web Services DataPower FileNet at Wells Fargo*

(Prospect) Customer On Boarding Application for LOBs.

Development Problem Solving and Support. Release Management.

Re-architecture and redesign to enhance Mediation Flows to Message Flows and Message Queues. Redesign of Normalized Database to Document Database. Enhancement of Cache management.

*SME at CITI:*

L3 Support for BPM, WP and WCM.

Installation and migration of WAS 7.5 to 8.5 in Cluster Topology in all SDLC environment. HIS and Web Plug-in Configuration, Load Balancing, SSO implementation, DB reorganization for optimal performance using DB2 and Oracle.

Analysis of BPM Support for IBM Oracle and iProcess in all environment for performance enhancement, Automation, Problem Solving, and management of support for all request. Real time production support and resolution.

Re-organization of BPM, Portal and related infrastructure.

*Solution Architecture for Risk Analysis and ALM MRM at Citizens Bank*

*BPM Solution Architect*

* Cash Management Platform for Managed account.
* Integration Process flows for bank transactions involving multiple credit and charge banks.
* Centralized Exception handling and tracking of system wide BPM process instances for a web based
* Document Management System portal for Investible Finance.
* Vendor agnostic enterprise framework for Process Definition, Integration, Administration, and Runtime support of multiple BPM installation.

**Experience**

**Techvision Systems              March 2013 – March 2014**

*Senior Architect and Development Manager*

* Delivered total administration solution and support for DataPower Appliances to Macys (Services, Error Handling, Log Notification, Load Balancing, Monitoring, AAA and SLM policies, production support Firmware Upgrade, Notification) and further providing Enterprise level SOA integration solution using TIBCO, JBOSS, WAS, WSRR, WBI, WESB, and WMB. Creation of Enterprise Service Registry
* Installation and configuration of WAS 7.5 and 8 in clustering topology. IHS and Web Plugin configuration.
* BPM for mortgage and Insurance using BPM8.5 and ODM 8.5
* UI/UX with AJAX and REST using AngularJS, NODEJS, and NOSQL – MongoDB, Coherence.

**TCS March 2012 – February 2013**

*Senior Solution Architect*

* ESB Mediation Flows construction using WMB 7/8 and DataPower XI50 for Prescriber MDM services at Walgreens
* Design of Online Question Answering Framework for Insurance – MongoGB, JavaScript, Spring Java.
* Process Design and modeling using IBM BPM, IID, ODM for new applications and claims
* HR Process flows for On Boarding and Release.

**Wipro Technologies June 2011 – February 2012**

*Senior Architect*

* Solution Architecture for a Generic Rule based Compliance Engine for Investment Bank using open systems – Coherence, Drools, Open System, WS-\*, and Java
* Solution Architecture for Asset Management System for Florida Power and Light
* FPL is replacing their assets spending about $1 billion with the state of art intelligent smart grid and meters
* Solution architecture evaluates available technology vis-à-vis current technology already in place, SAP, MAXIMO, GIS, NOSQL, MF, JCAPS, XI50 etc.
* Solution Architecture for Alert System for Fifth Third Bank
* 5/3 Bank has a legacy MF System for their Banking System with modern internet banking. It is required to create infrastructure and facility to implement Real Time Banking alert recognized and promoted within the legacy System
* Solution for High volume transaction processing using Map reduce, Hadoop, HDFS, Hive, Pig, and Mongodb NoSQL

**Techvision Systems              November 2007 – June 2011**

*Senior Architect; Solution Development Manager; Pre sales, POC and New Technology solution*

*HN BANK June 2010 – June 2011*

* Integration of SalesForce CRM with CICS DB2 based legacy CRM.
* Mediation flow design and development for external user accounts maintained by Integration Manager at JPMC: Technology stack – WID, WESB, Java SDO, Custom Data Handler, and XML Serialization of Business Object
* WS ESB mediation for SalesForce and CIS Mainframe for HN Bank; ABPM and BPM Application development using WPS, IID/WID, Human Task, BPEL Orchestration, Mediation, and Complex Event Integration
* IBM BPM process development using ILOG/JRULES, BPEL, WESB for Mortgage Application
* Business Process Modeling and creation of Assembly Modules using BPM
* Development of EJB using JDBC and stored procedures integration using CICS Adapter, MQ, JMS, DB2, SCA and EJB
* Creation of Maps and XSL using WTX for Copybook and Flat-file Transformation
* Web, Security and Data Architecture using DataPower, Tivoli, WebSphere, IIS, Java, .Net, and ADS for Allianz Insurance policy management and Administration Systems. Special emphasis on Enterprise Integration and SSO
* Creation of WSP and MPG load balancing for backend WCF Web Services using DataPower XI50; creation of XML firewall using XS40

***BOEING September 2009 – June 2010***

*Architect/Consultant*

* Datapower XI52, XS40 base Service creation, support and administration
* WBI Migration to BizTalk Broker using WCF AQ MQSC MSMQ MQ JMS Adapters; technology involved Java, ICS4.3, migration, Scripting, C#, VB.Net, BizTalk 2006, XSLT, XML, XSD etc.
* Mediation flows using WESB, ilog/jrules, and WAS

***TechDemoCracy/Government October 2008 – Aug 2009***

*Senior Architect*

* Installation, Administration, Production support, Migration and integration - Oracle 11g, OSB 11g, OSS 11g, Coherence, WebLogic 11g, Oracle Grid EM, Oracle Application R12, BPM, AIA, Oracle Forms and Report, WebGate, ReverseProxy, HTTP Server, OAM, and EnterpriseSSO Production Support and Installation OIM OID WebLogic 11g
* Developed ADF-BC Applications and EJBs, Created ADF based user interface and web center applications
* Created ADF/JFS user controls and client interfaces for Business Process Applications
* Installation verification and backend service configuration for WebCenter, UCM, ContentDB, WebLogic, Jdeveloper and ADF creating Spaces, Home Spaces, and Communities, and portal applications
* Proxy Service Message Flows creation, Security and Service level Monitoring, dynamic routing for back end business service using OSB 11g
* Application Discovery & Performance monitoring tool called AVM for Business Processes within Enterprise
* Designed and developed HMac message Authentication plug in module for JMS, XML, Email, Hub port Binary, RMI and HTTP messages
* AVM is using NMP framework based on Spring Hibernate and Tomcat
* Developed high availability strategy for distributed AVM system
* Architectural Plan for Airport Integrated Data Broker (AIDB) at Orlando International Airport (OIA): This plan laid out details of infrastructure, product development, integration, and deployment strategy for two existing applications – SITA RMS and MUFIDS using AIA FP, PIP, Enterprise Library of Artifacts (EBO, EBS etc.), Oracle Middleware Suite, JDeveloper, WebLogic, Oracle 11g, BPM, BAM, and WebCenter.

***LabCorp November 2007 – October 2008***

*Senior Enterprise Architect*

* Developed Portlet for ABN Application using Oracle ADF, WebLogic and JDeveloper.
* Developed a PDF generating Web Service.
* Developed using Adobe Acrobat Form Generator, iText a Customizable ABN PDF report
* Thorough Business analysis with many scenarios was done with Oracle Business Process Modeling tool
* Creation of Message flows and Mediation Flows using WESB, WMB, ILOG/JRules, and WAS
* WSP, MPG Service Development and Support for DataPower XI52, XS40
* Application Security, WS-Security, SAML, SSO and creation of communication channel using PKI etc

**CSC/IRSLanham** **February 2007 – November 2007**

*Architect and Designer – SOA & Integration*

* Creation of Logical and Physical design and relevant Data Modeling for Customer Requirements of phased modernization of Federal Income Tax Return
* Assisting and Guiding Developers and other architects with Technical expertise of SOA, Mainframe, CICS and DB2, OMVS, MQ and other relevant technology
* Creation and enhancement of Router Filter using C++, MQ, WTX, XML Rules and Function validation for CADE
* Creation of Gateway Services using C++, CICS, DB2, MQ for CADE

**Nationwide Insurance** **January 2006 – January 2007**

*Solution Architect – ITIL and Integration*

* Consultant, Project Delivery – ITIL process management packages, upgrade and Implementation
* Change Management, Incident Management etc.
* Oversee multiple SDLC Projects, Architectural design and Development
* Solution Architect of Several Large Projects: Infrastructure, upgrade and implementation of Service Center for Incident, Problem and Change Management
* Development of Project Approval Management System, and Application Management system
* SDLC Application Design, project assessment and overseeing of multiple SDLC Projects using IBM WMB, Ilog/JRules, WAS, and ESB
* Business Process modeling for Integrated Dental and Medical Claims Processing

**Northrop Grumman Jan 2005 – December 2005**

*Lead Performance Architect*

* Study and Evaluation of User Authentication and Secured Communication of Public Safety System using wired and wireless technology
* Architect performance Monitoring system for MARCS using C++ C# VB.Net

**UPS July 2003 – July 2004**

*Lead Developer for Creation of Trade-ability Portal using WAS 5*

* Installation of WAS 5, IHS, Portal and WCM, DB2 V8
* Import, export and download of tradability data from DB2 in MVS using COBOL stored procedures, Java/JDBC in XML or CSV format for web based application system
* Created Java drivers for creating tradability data in DB2
* Developed error and message transfer modules using MQSeries and MQI for all SP and batch programs.
* Redesigned/rewrote the entire export system for optimal performance and correct functionality.
* Developed shell scripts in OMVS batch processing for tradability data export
* Developed Java applications using DB2 SP, JDBC and J2SE for creation and viewing of tradability data from workstations
* Used XML, XSLT and XSD for Document Data Formatting, Transformation and Extraction
* GUI design and development using Java AWT and Swing

**Intellisys Technology July 2003 – July 2004**

*SOA Architect and Program Manager – Integration, Web Services*

CICS CTG Web Services – WSL SOAP JAVA RAD WAS C#

**HCL Perot Systems** **June 2002 – June 2003**

*Mainframe Architect, ALC Specialist*

MBNA Credit Card Internationalization – CICS DB2 ALC COBOL

**ProNet Consulting Services, Inc August 2000 – May 2002**

*Chief Architect and Software Manager*

Collaborative Platform for Healthcare Portal for Document Sharing – ASP C++ IIS SQL Server

Engineering Document Management System  - B2B/B2C Market Place - C++ ASP IIS SQL Server

PKI Infrastructure Development and Crypto Technology development (very fast stream cipher, hash and synchronous, asynchronous key development algorithms) - C++ C#

IBM Based Legacy Document Conversion to XML HTML FrameMaker based Documents and e-book.

***Prior IT experience furnished upon request***

**Education**

**Indian Statistical Institute**

Bachelor Degree in Statistics B.Stat (Hons)

**Indian Statistical Institute**

Master Degree in Advanced Probability and Mathematical statistics

**Indian Statistical Institute**

Advanced Studies in Computer Science

**Papers Portfolio and Packages**

*PAPERS:*

Integrated Water Resources Management, World Congress in Water Resources, Brazil

Generalized Syntax Analyzer, CSI Annual Convention, New Delhi

IBM based Legacy Document Conversion to XML, XML 2000 Conference, Washington DC

*PORTFOLIO:*

[*http://kankanroy.bravehost.com/*](http://kankanroy.bravehost.com/)

*Software Packages:*

General Purpose Simulation System

Dam Canal Configuration, Water Management, and Economic Planning for the region – Narmada Sardar Saravor Project

Real Time Stream Data analysis and performance monitoring of Mobile Data for Public Safety System

Fast Dump Restore for IBM Storage System

Generalized Syntax Analyzer for Compiler Writing

ST-WORKS Office Automation Software for Atari ST

Personnel and Fleet Management System – Indo-Tibetan Border Force

Retail Stores Management System