SAMEERA LEEKHA

Current : [AVP - Architecture & Technology @ Bank of America Continuum, Gurgaon]

PROFESSIONAL SUMMARY

I am a professional with 14 years of IT industry experience with strong credentials in building Strategic Platforms to run as On-Premise or On-Demand model. I am currently an Assistant Vice President at Bank of America Continuum. My responsibilities included Technology and Delivery Leadership for implementing Enterprise class Strategic Platforms & Lead Solution Architect for eComm. Initiatives.

My recent roles in Technology & Delivery Leadership capacity include building Banks Architecture Assessment Platform for Consumer Banking Segment and Infosys SocialEdge Digital Consumer Platform available as Enterprise Software-as-a-Service (SaaS) model.

Specialties

Technology & Platform Direction
Platform Engineering to support Products and Platform needs
Engineering re-usable assets for IT services
Solution Architecture
Strategic Platform Development

Personnel Details

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Educational Qualification

Institution Name : NIT (previously REC) Kurukshetra, Haryana
Course   : B. Tech (Electrical Engineering)

Professional State

IT Experience   : 14 Years
Experience Level   : Senior Management (Technology + Delivery)
Experience Focus : Business Strategy, Solution & Technical Architecture & Governance

IT Organizations Worked with

Bank of America Continuum, Gurgaon, Haryana
Infosys Technologies Limited, Bangalore, Karnataka
Siemens Information Systems Limited, Gurgaon, Haryana
Polaris Software Labs, Gurgaon, Haryana

Professional Certifications

Sun Certified Enterprise Architect
Sun Certified Java Programmer
IBM Certified Architect
Infosys Certified Software Architect
Product Life Cycle
Web 2.0
Equities

Patents & Awards

Filed patent application during tenure @ Infosys, Bangalore.
Gold & Silver awarded for Leading Bank Strategic Program

ROLES & RESPONSIBILITIES

Business & Architecture/Delivery Portfolio @ Bank of America:
- Designated as Assistant Vice President (AVP)
- I am a part of Consumer Banking Architecture Group.
- Leading Strategic Technology Platform, a vision of Bank CIO organization with a focus to streamline better Design Quality and Operational Readiness
- Leading in a capacity of Initiative Architect providing Solution Architecture for various eComm Initiatives in Bank.
- Managing distributed teams spread across various geographies/time zones.

Solution Architecture Portfolio @ Infosys Technologies:
- Was Designated as Senior Technical Architect (STA).
- I was a part of Business Platforms Unit (previously called as SAAS).
- Idea of Business Platforms is to build domain focused platforms delivered on Software as a Service model to enterprise class customers.
- Leading Solution Architecture, Technical Architecture & Design & helping enterprise clients to adopt Social Media Platform.
- Leading Technical Architecture & Design for the GRC platform.
- Leading Technical Components of SAAS Cloud Platform

Technical Architecture, Design & Delivery @ Siemens, Polaris & Other Organizations:
- Was Designated as Consultant, Systems Analysts, Software Engineer and Web Developer
- Leading Technical Architecture, Design, Development & Delivery of Web Based Applications

TECHNOLOGIES/FRAMEWORKS/TOOLS:

Open Source : Products/Components/Frameworks for Apache, Spring etc.

Architecture/Design : UML, System, Application, Integration Architecture, Design Patterns, Design for Abilities (Scalability, Security, Availability, Extensibility, Manageability etc.)

Java Based : J2SE, J2EE, JEE, Application Servers (Tomcat, JBoss, WAS, WebLogic), MVC Frameworks (Struts, Springs), Business Logic Frameworks (POJO's, EJB's), ORM & Data Access Frameworks (Hibernate), Integration Frameworks (REST & SOAP Services, Messaging, SOA), Http Servers, WebSphere Portal Severs

Microsoft Based : .Net Framework, MS Enterprise Library, WCF, MVC 3, ASP.Net, IIS 7, Telerik, SQL Server 8, Windows Servers, TFS, SSIS, SSRS

Protocols : HTTP, HTTPS, SOAP, REST, JSON, ATOM, XML, SAML 1.1, SAML 2.0, FTP, SFTP

Web Services : REST API & SOAP

Tools : Standards Tools focused on Security, Performance, Release Management/Bug(Feature) Tracking

Federation & Single Sign On : Shibboleth, Ping Federate, SAML

KEY INITIATIVES @ Bank of America and Previous Organizations

Organization:
        Bank of America

IT Platform:

Build to Operate (BTO) Architecture Platform

Platform Description:

This system is a realization of the Build to Operate Strategic Platform, a vision of CIO's organization.
Platform provides an online (web based) enterprise class system which completely operationalizes BTO by allowing the business & technology executives/architect managers/architects to drive/ensure the design quality and operational readiness of leading & architecturally significant eComm Initiatives.

My Responsibilities:

- **Lead the brainstorming sessions** with the core platform SME's to drive the platform functionality.
- **Prototyping** of Platform ideas/requirements into a clickable static html site.
- **Mentoring/directing the team of business analysts** to help build the prototype on continuous basis and create/manage the BRD's
- **Lead the Platform Architecture** spanning system architecture and application architecture.
- **Lead the Platform Design** spanning system design and application design.
- **Mentoring/directing the development team** to understand the big picture via architecture & design blueprints and by taking up requirements sessions.
- **Mentoring the team to fill up the technology gaps** including but not limited to design patterns, architecture, database, technology stacks, integration.
- Mentoring the development team **to visualize, design, develop horizontal components & vertical functional modules.**
- Mentoring the development team to **POC's the architecture significant use-cases.**
- Liaison with other relevant teams like **Platform hardware & software Infrastructure, Security, Performance, Application Support, Database Support, Integration Support and other similar teams**.
- Lead Release Plan, Schedule, Work distribution and allocation, tracking, moderating key technical and delivery discussions
- **Liaison for Performance and DR environments**
- **Educate and support Early Platform Adopters** to help understand the system and addressing their concerns.
- **Liaison & Engage with other System Owners** to discuss the impact, plan and impalement the platform upgrade.

Organization:

Infosys Technologies Limited

Platform:

Infosys SocialEdge Employee Engagement Platform

Description:

Employee Engagement Platform is available in the enterprise SAAS model. This is build on industry leading Social Business Software and powered by SocialEdge Context Engine.This energizes a range of employee engagement initiatives like Skills Management, employee

network management, employee on-boarding, sales collaboration, knowledge networks, alumni networks.

My Responsibilities:
- Participated in the brainstorming sessions during conceptualization.
- Translated ideas into Use Cases.
- Key player during the inception and elaboration phases.
- Architected the Contextual Engine, which is the core component of employee engagement.
- Provided the technology leadership to the key stakeholders business leaders, architects, designers, developers, business analysis.
- Provided leadership for the translating the use cases into working prototypes.

Organization:
Infosys Technologies Limited

Platform:
Setup of Digital Consumer Media Product Platform for a new engagement

Description:
Our SAAS unit's new engagement demanded one common enterprise class social business web platform based on SAAS for their business units, contractors base, channel partners and alumni members to collaborate, share and contribute.

My Responsibilities:
- Worked across peers and client facing operating groups and took key leadership roles to solve business and technical issues
- Interacted closely with customer facing key Program Managers and technical staff to discuss on their enterprise systems and finalized on integration solutions for key enterprise systems including Federation authentication, secure file transfers, outbound and inbound e-mails etc.
- Worked closely with principle/senior architects to develop the best technical design and approach for requirements.
- Responsible for providing technology solutions in the areas of federation authentication with client identity software, secure file transfers over the network, outbound and inbound e-mail solutions.
- Translated complex business and technical requirements into key product platform features
- Defined, implemented and maintained progressive development strategy
- Responsible for the over-all development life cycle
- Managed to deliver quality application on-time and on-budget
- Created data migration strategies and techniques to migrate data from existing enterprise web application to community product platform
- Responsible for ensuring no security holes in the final product delivered
- Responsible to meet application performance objectives provided by business and platform objectives
- Extended support for network deployment and data flow architecture
- Coordinated with peer teams for security, performance, quality assurance approvals
- Evaluated unavailable products/services required to create software and supported associated teams for evaluation, requirement mapping, generalizing the solution, client negotiations.

Infosys Technologies Limited

Project:

Existing Application Migration to Our Commercial Product Platform

Description:

Customer has an existing Web Application(s) running on some platform (OS, Application Server, database etc.). Customer wants to migrate this application from his existing vendor to our SAAS based platform. Constraint was there was a complete mismatch in platform technology and current client application product stack.

My Role:

- Lead a team of architects, technical leads and software developers.
- Technical sessions with clients and their applications vendors(who manage and support client's applications)
- Functional and Non-Functional requirements and translating into technical requirements.
- Created Application Migration Strategies including application and data migrations.
- Mentor/educated technical teams for the problem statements, analyzing solutions, security/performance issues and fixes.
- Technical design and code reviews
- Technical sessions with deployment, QA and Infrastructures teams, for the successful application deployments at our data centers
- Interacted with client for product supports like DNS, E-mails etc.

Infosys Technologies Limited

Project:

Building Search Application for Platform Usage (Pure Development)

Description:

Requirement was to build common enterprise class application which provides content search and indexing capabilities for social media platform content generated through various applications. Application should provide Interface for receiving contents for Indexing, User Interface for content search and Programmatic Interface for search results which can be explored by channel partner applications. Platform Search facilitates a common gateway for indexing and searching the content from various other media applications.

My Role:

Products/Software evaluation
Architecture validation through POC's
High Level design artifacts
Mentored technical team to create detailed design based on the proposed architecture
Define and maintain development strategies
Extended support for NFR's

Infosys Technologies Limited

Project:
> Product Platform for GRC (Pure Development)

Description:
> GRC stands for Governance Risk and Compliance where the solution is meant for any Corporate/Industry who wishes to have their system compliant with the Government rules/regulations and certifications. Example certifications like SOX and HIPPA
> Initial plan was to create a generic solution based on Software as a Service (SAAS) delivery model, where a single software installation can be configured and customized for multiple tenants.

My Role:
> Lead a team of architects and technical leads.
> Defined product architecture and created high level design artifacts
> Defined production OOAD model and evaluated appropriate technology stack.
> Defined generic solution covering multitenant data, database and application architecture.

Other Projects: Before Sep'07

Project	DMI – Digital Media Initiative
Integration Platform	IBM WebSphere Business Integration Broker, MQ Series, Active MQ
Application Server	WebSphere Application Server
Languages/Technology/Tools	J2EE, XML, JAXB, XML Beans, XSD, JMS, XStream, Hibernate, Spring JMS, Spring Quartzs, Groovy, Junit, Jmock,
Team Size	8
Description	DMI is a move towards integration of the various media products used at the client End. This is based on the Digital Fabric which is an IBM WebSphere Business Integration Broker – An Enterprise Service Bus. Applications will communicate with each other through the Enterprise Bus. The objective is to convert the tape-based media into electronic media.
My Role	• Initial High Level Estimations • Solution Concept • Technical Approaches • Proof of Concept

Project	Content Depot
Platform	Windows XP/Solaris
Database	Oracle 10g/9I
Application Server	WebLogic Portal Platform 8.1 SP4
Languages/Technology/Tools	Java,J2EE,JSP,Servlets,EJB, JMS, NetUI, Struts, Page Flows,WebLogic Workshop, UML, Rational, Toad, Log4j, WebService, Ant
Design Patterns	Singleton, Factory, MVC2, Business Delegate, Session Façade, Message Façade, Value Objects, Business Objects, Service Locator
Team Size	10
Description	Content Depot is a J2EE based enterprise application for media assets management by a category of users including Public Radio Satellite Station administrators, producers, and Stations and producing station. Using applications both live and file based programs are scheduled and subscribed by the receiving stations which are delivered on time using various integration systems. Content depot also allows users to manage

	their inbox mails and sent the mails to a group of users, search facilities for programs, managing programs and episodes.
My Role	- Technical Architect - Analyzing gaps in design and architecture - Providing solution for identified gaps in architecture and design - Extending technical support to team members - Participating in reviews for project artifacts including code etc. - Identifying key areas which degrades performance - Solution for performance improvements - Solution for improving scalability, availability, reliability

Project	InfoCentral2.1
Platform	Windows XP/Solaris
Database	Oracle 9I
Application Server	WebSphere Portal Server 5.0.1/5.1
Languages/Technology/Tools	RAD6.0, Struts Portlet Framework, Jdk1.4.2, Toad 7.6, Documentum (Documentum Content Server 5.3, Documentum Application Builder 5.3, Site Caching Service, Web Based Documentum Clients – Documentum Administrator and Web Publisher), WinCVS
Team Size	15
Description	InfoCentral application is integrated with Documentum Server where content is contributed from Portal to Documentum side using content contribution portlet. At Documentum side content is managed using the life cycle stages and then published back to the Portal side using Site Caching Service. Provide access to specialized information to address the top design challenges identified by the subject matter experts and customers. InfoCentral enhances the usability and functionalities of the InfoCentral Portal based on roles and groups of the users. InfoCentral application comprises Admin, Menu, Description, Filter, Search, Best Bets, Content Contribution, Search Design Topics and My Favorite Portlets. Cadence employees and other users access technical areas information using InfoCentral application.
My Role	- Responsible for Application design and architecture - Responsible for high and low levels design. - Responsible for requirement gathering. - Responsible for application performance improvement measures - Responsible for Application development environment - Wrote program specifications, Unit Test Cases - Conducted code reviews - Coded common components - Responsible for Design, Architecture documents - Responsible for day to day development issues - Coordination for development, UAT and production environment at onsite - Provided technical support to project team members - Responsible for application phases releases

Project	Price Contribution Management Layer (PCML)
Platform	Sun Solaris 5.7

Database	Oracle 9I
Application Server	WebSphere Application server 4.0
Languages/Technology/Tools	Jdk1.4.2, Core Java, XML, Ant 1.6.0, Toad 7.6, Clear Case
Team Size	2
Description	PCML is a J2EE based web application where Price Source Applications Sends data to the Contribution server using PCML API (which creates session, reserve instruments, sends contributions, unreserved instruments and closes session) with the contribution server. Contribution server updates the DDS system (this is an internal system of UBS) and simultaneously sends data to the PCTL (Price Contribution Transmission Layer), which updates data to clients like Reuters and Bloomberg.
My Role	• Analyzed functional specifications. • Developed and debugged the application module using Core Java and log4j • Performed UAT in Development Environment with client. • Released and deployed the application in Production Environment • Prepared User/Support document for the application.

Project	Trade Data Repository (TDR)
Platform	Sun Solaris 5.7
Database	Oracle 8I
Messaging Server	MQ Series 5.2
Languages/Technology/Tools	Jdk1.4.2, XML, Eclipse2.1.1, Hibernate, Ant 1.6.0, Toad 7.6
Team Size	15
Description	The project changes the process of receiving and storing the trade and action data feeds of the RISK IT group into its trade data repository (TDR). This helps collect these feeds directly into TDR as compared to the existing mechanism where the feeds are routed to TDR via the RXM application. The live feeds come as XML files that the system translates into CMF format, while the Batch feeds send data as flat files, via TPOS. This data is then extracted & stored into the Live Database and later converted into a Data Table that is in RXM format. The RXM adapter then feeds these to the RXM system.
My Role	• Responsible for configuration of MQ Series. • Responsible for Requirement Analysis and Program Specifications • Responsible for onsite and offshore communications. • Coded feed products using Core Java. • Created Unit Test Cases and System Integration Test Cases. • Performed Unit and System Testing. • Provided Technical advice to Team Members. • Supported the project under Warranty Period. • Responsible for version control of the software using VSS.

Project	Allocating4P (Allocating For Profit)
Platform	Sun Solaris 5.7
Database	Oracle 9I
Application Server	WebLogic Server 6.1
Languages/Tools	Struts, EJB, Servlets, JSP, JDBC, Core Java, Perforce
Team Size	35

Description	Allocating4P is Retail Merchandise Optimization Software that helps retailers make more profitable buying, allocating and pricing decisions based on customer demand, historical data for sales and various other similar factors and parameters. This provides retailers with significant benefits including increased gross margin, smarter and predictable merchandising decisions, better merchandising, accelerated inventory productivity, improved overall financial performance. By eliminating time-consuming manual analysis and identifying items needing immediate attention, merchants don't lose sight of key issues and their main targets. They concentrate on what they do best –strategic merchandising
My Role	• Coded Session Beans for application modules. • Coded Supporting classes for application modules. • Contributed in application performance improvement • Bug Fixing during the application system integration testing. • Provided the technical advice to Team Members.

Project	RMS Sprint Parity 4.2 Release, Light Bridge, US
Platform	Sun Solaris 5.7
Database	Oracle8.1.7
Application Server	WebLogic Server 6.1
Languages/Tools	EJB, Swings, AWT, JDBC, Core Java, , Jakarta Ant-1.5.1, Jbuilder 4.0, Toad 7.3, SOS 3.5.3, VSS, LDAP Server, Lotus Notes, Star Team 4.0
Team Size	25
Description	RMS is a point-of-sale (POS) and Inventory control application that streamlines customer acquisition. RMS is designed specifically for the telecommunications market. With RMS retail operators can efficiently manage the sales and distribution of any number of telecommunications products and services. RMS has two modules. The Front Office module enables retailers to efficiently complete a customer sale. It includes Point of Sale functionality such as credit scoring, service activation, transaction and Payment processing, Cash Drawer Management. The Back Office Module enables retailers to track and report on their retail operation. It includes inventory control, purchase order and store management applications.
My Role	• Code Data Access classes for application modules. • Bug Fixing • Provided technical advice to Team Members. • Offshore onsite communication.

Project	Enterprise Resource Management, Indjo, Dubai
Platform	Sun Solaris 5.7
Database	SQL Server 7.0
Application Server	Tomcat
Languages/Tools	EJB, JSP, Servlets, JDBC, Core Java, HTML, Java Script, Tomcat,
Team Size	8
Description	Enterprise Resource Management is an IP based web solution that allows people working in common project, but located in different places, to exchange information over Internet. Indjo is Consultancy Company, which executes many projects, concurrently, in different parts of world. The

information related to each project is confined to the offices where the project is being executed. Before the implementation of this project, communication is mainly done through the conventional systems, which has a number of constraints. So the senior management has difficulty in accessing the information related to the projects. This solution creates an area for each project, where the people with appropriate rights and authorities can exchange information

My Role	• Responsible for gathering and analyzing application requirements • Responsible for client interactions across project phases. • Responsible for database normalization and designing. • Coded front end components using JSPs and business components (Session and Entity Beans) of the application modules using Servlets and EJBs • Tested application components

Project	Menu Management System
Platform	Windows
Database	SQL Server 7.0
Application Server	Tomcat 4.0
Languages/Tools	JSP, Servlets, JDBC, HTML, JavaScript
Team Size	4
Description	The project aims at displaying the Menu Information consisting of the various categories and subcategories that can be placed at nth level of hierarchy, which further contain items and their relevant details. Using the administration module categories, items, accommodation, and reply to queries, newsletters and membership requests can be made.
My Role	• Responsible for gathering and analyzing application requirements • Coded application components using JSP and Servlets.

Project	Career Tracking System
Platform	Windows
Database	SQL Server 7.0
Application Server	Tomcat 4.0
Languages/Tools	JSP, Servlets, JDBC, HTML, JavaScript
Team Size	4
Description	The Project aims at providing career information to various categories of aspirants like 10+2 and matriculation students, those who would like to go for professional studies like Engineering, Medical and those who have completed their graduation studies and would like to go abroad for post graduation like GRE, M. Tech etc.
My Role	• Coded application modules using JSP, Servlets and Java Beans • Bug Fixing