Bhaskar

Experience Summary

15 years expertise in enterprise/internet systems enabling agile business solutions & products
8 years of Financial Services, Investment Banking derivatives, Payments & FinTech product experience
8 years of project mgmt experience – setting-up & building teams, managing projects for on-time, on-budget delivery
6 years experience in Telecom domain in oss/bss, order management and provisioning

Skills Summary

- In-depth background in product development, business analysis and systems engineering roles
- Expertise in high performance, high volume, low latency systems development
- Product expertise in workflow & documentation systems, rules, messaging and services technologies
- Expertise in enterprise integrations, services based systems, middleware system internals, trading platforms
- Business development, customer engagement, center/competency development, pre-sales
- Proven skills setting processes, target operating models, vision that Business and stakeholders can relate to
- Strong business engagement and stakeholders management skills
- Experiences in enterpreneurship, idea building

Work Experience

Architect - Clear2Pay (now FIS) - Sep 2014 – To Present

Clear2Pay, Enterprise Architect Group (EAG) - ICE, India	
Summary	
	- Part of Enterprise Architecture Group (EAG) as Architect for the Payments products for Banking Industry - Responsible for development of core products and product schemes (SEPA, XCT, SIC, ACH), product enhancements and new features - Responsible for multiple client Bank product customization and integration project implementations
Key Projects	
	OPF (Open Payments Framework) and Schemes - Hands on product development and initiatives management for OPF products and payment product schemes. **SIC** -Build product and payment scheme implementation for Credit Suisse Swiss SIC4 clearing and Euro clearing payment solution. Specifically help build new product features to meet high performance throughput with a payment bulking solution in OPF. Helped improve system performance by factor of more than 20. **Al Rajhi Bank** - OPF product implementation, customizations and integration project with Saudi Arabia based Al Rajhi Bank for multiple payment solutions including domestic, international, direct debit, payroll and cash management. Responsible for business engagement, architectural solutioning, product customizations, new services/frameworks development, project integrations. **Hosted Payment Solution Product:** OPF product hosted multi-tenant solution **Analytics Engine:** Payments analytics solution for hosted OPF product.
Detailed Role	
	- OPF product architecture, design and implementation services and Payments. - Product development and features management for various new products and payment schemes like SIC4, SEPA, xCT, SARIE etc. - Presales, customer relationship, requirements elucidation, solutions proposals - Product R&D, poc and new technology initiatives - Propose new architectural solutions and socialize these initiatives with Architecture and internal teams - Define architectural roadmaps with impact across OPF products - Project management with responsibility for project requirements gathering, scope definition, estimation, prioritization, design, development, progress tracking, release management, project management. - Stakeholder management, co-ordination with client, vendor systems/teams, QA, testing, UAT. - Risk identification, management, reporting & escalation. - Establishing templates, guidelines, standards, processes.
Skills / Tech Used	Enterprise Architect, Visio, OPF, Workflow, Business Rules, Jee, EJB, JMS, WebServices, Core Java, concurrency utils, svn, Eclipse, IBM WID, Websphere Process Server, Oracle, Solaris/Linux, JIRA, Wiki, MQ, SOAP, BPEL, gradle, Ivy, XSD, XSLT, XML, Project management, MS Project, AWS, EC2, S3, Docker, VM, Kafka, Stream processing, MongoDB

Consultant - Standard Chartered Bank (Singapore) - Aug 2010 – Apr 2014

Financial Markets Solution Delivery (FMSD), WB, Singapore

Summary

- Development of OTC derivatives back-office trade processing and confirmation systems
- Deliver transformation projects for mapping of business processes to automated workflows and integration with documentation systems
- Measure current and build future FM architectural roadmaps for reduced complexity and streamlined integration - establish messaging service bus, workflow, rules and common services based architecture blueprints and implementation plans

Detailed Role

- Workflow, rules based development across multiple platforms using core java, Jee & trading systems
- Production stability and efficiency initiatives around application scalability & performance, documentation and workflow system improvements, upgrades, vendor product fixes
- Engage different business/system teams - analyze current business processes, redesign processes, process documentation, process automation, requirements elucidation, design documentation
- Project management with responsibility for project requirements gathering, project planning, scope definition, estimation, prioritization, design, development, progress tracking, release management, and BAU L2/L3 from Singapore, supporting operations business across Singapore, UK, US, HK
- Stakeholder management, co-ordination with other systems/teams, QA, testing, UAT involved in project/program
- Risk identification, management, reporting & escalation
- Streamline change process and establishing templates, guidelines, standards, processes
- Initiate project proposals, project approval request, benefits analysis, earned value, cost tracking
- Vendor management for various products, enhancements, licensing, issues
- Engagement with Operations senior management for business initiatives and target operating model
- Define architectural roadmaps with impact across FM

Key Projects

- **Confirmation Automation Program** - Design develop workflow system for OTC Trade confirmation generation, storage and tracking for financial products between 2 counterparties for Rates, Credit, FX, Commodities, Equity derivatives. Supports both long form paper confirms and electronic confirmations. Complete business process automation for outbound, inbound, chasing, query management, reporting, exchange connectivity functions for Operations Businesses across asset classes. Global system used by more than 2K users across back-office/middle-office, client-coverage, various country teams.
- **Complex Trades Structuring & Automation** - Processing automation for trade structuring for various complex financial products with ability to group, link, delink, strip, multiple trade/components. Complete life-cycle management for these trades.
- **Documentation as a utility** - Service based exposure to documentation as a utility. Establish a server farm of load balanced Thunderhead document generation engines. Establish engagement model, project structure guidelines for usage of this service by any team in Bank.
- **Business Process Engineering & Automation Program -** Engage with various business teams to analyze their current manual/semi-manual processes and help redraft and on-board as integrated and automated Business processes/STP workflow onto BPM and documentation services.
  - Termsheet processing for FX Front Office Project
  - Equities Documentation and Workflow Project
  - Physical Commodities Automation Project
- **Dodd-Frank/EMIR Reporting** - regulatory compliance project to process DF report-ability and universal swap identifier (usi) based tracking, trade document/information extraction and reporting for GTR submission. Project helps operations to prioritize Dodd-Frank/EMIR reportable trades for processing and accurate reporting to regulator.
- **Fixing Advice Automation** - Automation of Fixing/EXR advise for structured options trades across Murex trade packages including linking, netting, nostro/vostro and payment logic.
- **RMF Client on-boarding and Static Data Automation** - solutions approach with Business, design and development for auto-processing of static data for real money fund clients based on parent fund, child counterparties logic. This enables faster client on-boarding and streamlines business process for client coverage, product control and operations teams.

Sample portfolio of initiatives at Standard Chartered Bank

- Architectural Initiative - Quantify current financial markets architectural complexity and define ESB based enterprise architecture simplification initiative across Financial markets
- Establish Operations Business target operating Vision, drivers and efficiencies and get key Business management buy-in
- Help drive BA, Change management and Production support organizational process improvement, maturity models

Skills / Tech Used	Project management, MS Project, Visio, Workflow, Business Rules, Jee, EJB, JMS, WebServices, core Java, concurrency utils, nio, Spring, Hibernate, svn/cvs/clearcase, Eclipse, BEA Weblogic 10.3/9.2, JBoss 6/7, Sybase 15, Oracle 11g, Scrittura 4.3, Thunderhead 6/5, Solaris, JIRA, Wiki, CA Clarity PPM, Murex 2.11, MXML, Murex BO, SWIFT, ETL (datastage), Recon (Smarts Stream), ICE exchange connectivity, Webmethods, Tibco ActiveMatrix BPM, Business Studio, Filenet, Active MQ, SOAP, ReST, BPMN, BPEL, XPDL, JSON, angularJS, XSLFO, XSD, XSLT, XML

Lead - Qwest Software Services (India) - April 2010 – Aug 2010

QwestTelecom (US), Captive India Center of Excellence, Noida, India (acquired by CenturyLink Technologies)	
Summary	
- Responsible for development for one system in OSS provisioning space - Setting up & Growing delivery team from scratch to 7 in new Noida center - Establishment of processes for distributed team and project delivery and management with dev teams in Noida and Bangalore and BA/analysis teams in US.	
Key Projects	
Logical Inventory Management System (LIMS), OSS - LIMS is a central key system of Qwest OSS that supports inventory management and managed services for ordering, provisioning, activation of various network services provided to Qwest customers in the Wholesale and BMG businesses of Qwest.	
Detailed Role	
- Responsible for LIMS project delivery, change management, scope definition, delivery, development and cmmi process management from QSS Noida. - People/resource recruitment, people management, tracking, performance evaluation and management, motivation, team development and growth. - Instrumental in setting up and growing this team in Noida from 0 to 7 and growing further. - Building the team expertise and delivery capabilities for team from Noida cener. Establishing processes, trainings and best practices culture in Noida center.	

Skills / Tech Used	Project Management, People Management, OSS Domain, J2ee, Struts 1.3, GWT, EJB, JMS, Java, Enterprise Applications/Services, SOA, Workflow, WebServices, Spring, Hibernate, MS Project, Visio, MS Excel, RequisitePro, Caliber, Wiki, BEA Weblogic 9.2, Oracle 10g, Axis2, Dimension, Maven, Solaris, Windows 2000

Self Employed - Plexys Consulting - June 2009 – March 2010

Self Employed - Explored startup opportunities in India	
Summary	
- Invest time and effort in exploring enterpreneurship/startup opportunities - Build an ecommerce vending engine for books - Build multiple software modules for various business idea	
Key Projects	
PlexEng - Build an ecommerce inventory storage and feature search engine to meet quality search and relevant sales delivery for high performance online store.	
Detailed Role	
- Self employed - ideation, exploring enterpreneurship/startup scene around Delhi, working of various software module for potential ideas - Product development for a performant and relevant online ecommerce inventory store and search engine catered to books. - Attempt at consulting/outsourcing project opportunities.	

Skills / Tech Used	Visio, Excel, Workflow, Business Rules, Jee, EJB, JMS, WebServices, Core Java, Eclipse, JBoss, MySQL, Solaris/Linux, Lucene, Spring, maven, XSD, XSLT, XML

Team Lead - Royal Bank of Scotland (India) - Aug 2007 – May 2009

Scrittura – Global Banking & Markets (GBM)	
Summary	
Scrittura is a workflow system used for OTC Trade confirmations generation, storage and tracking for financial products between 2 counterparties or via electronic confirmations/Affirmations platforms (SWIFT/Swapswire/DTCC) for Rates, Credit, FX, Equity derivatives	
Personal Role	- Responsible for Scrittura project change management, scope definition, delivery, development and BAU from IDC, supporting operations business across geographies - UK, US, GOC/Singapore. - Hands on lead and core java and Jee developer for financial markets derivatives system. - Team Lead responsible for setting up team and growing team from 0 to 5. - Requirements and project discussion with business analysts and change managers, estimation, design, assignments and scheduling, progress tracking, release management, UAT, regression, Production BAU. - People/resource recruitment, people management, tracking, performance evaluation and management, motivation, team development and growth. - Onsite UK visits for change planning, prioritization, release scope definition, architectural discussions and release participation. - Operating Model – Planning within IDC and with London mgmt.

	• Instrumental in strategic initiatives in bringing production support business from London/Singapore to India – setting up team for entry into L2, L3 support. • Stakeholder management, co-ordination with other interfacing systems/teams, BA's co-ordination of UAT. • Establishing templates, guidelines, standards, processes. • Configuration mgmt, documentation, System flow documentation, training sessions • Risk identification, management & escalation.
Key Projects	• **Message Adaptor** – Architect and development of scalable message pipeline adaptor and router for message bus integration for auto-bridging various JMS MoMs (Weblogic/TiBCO/RBS in-house EMS–Argon etc) using OpenAdaptor Framework. Enhancements to core OpenAdaptor components for making truly a-sync and non-blocking for readers. • **Thunderhead Integration** – On-boarded Thunderhead as a new system for document generation. Design and development for architectural components for messaging pipeline, data extraction, rules based enrichment and translation modules. System is architected as reusable components such that Thunderhead is treated as a utility that any system in RBS can use. Product FPML mapping to TH including Scrittura enhancement for workflow and review case editing. On-boarding of more complex products -enhancement releases. • **TH Automation** – PoC done at architectural level for an end-to-end design suite that BAs can use to automatically onboard new Thunderhead product pipelines using slew of applications weaved together. Includes scrittura template parsing and trade rules and attributes list extraction, engagement with Vendor Trace Financial to automate their XSD-XSD data mapping product to ensure end-to-end automation of Thunderhead product pipeline development process to cut new products on-boarding time from months to days. • **DTCC Status Tracker** – development of end to end excel sheet based facility in Scrittura to take trades and their DTCC statuses and automatically update confirmation trade status in Scrittura and generate appropriate document and movement in Workflow. Includes novation handling. **BoW releases** - catering to new features, enhancements, workflow changes, process changes and new products on-boarding requested by various business asset areas Rates, Credit, FX, Equity derivatives.
Skills/Technology Used	J2ee, EJB, JMS, Java, Workflow, Business Rules, Fpml, Spring, Hibernate, WebServices, ESB, EhCache, project management, people management, MS Project, Visio, MS Excel, JIRA, Confluence, CVS/SVN, Eclipse, Wiki, BEA Weblogic 9.2/ 6.1, JBoss 4.x, OpenAdaptor, Drools, Sybase 12.5, Tibco EMS/RV, Scrittura, Thunderhead, Trace Financial Transformer, XMLBeans, Maven, Cruise Control, Autosys, Solaris

Tech Lead – Aricent (India) - Jun 2001 – Aug 2007

DSS (DirecWay Services System) – Spaceway Group **–** Hughes Network Systems (client) **-** Nov 2003 – Aug 2007	
Summary	Multi-year green-field in-house front-to-back telecom enterprise system for Ku/Ka band satellite based broadband network provider. DSS is a complete order management and provisioning platform for broadband access network and value-added services creation, delivery, control, assurance and billing/crm etc service support for retail and enterprise consumers across North America.
Personal Role	• Worked on complete SDLC process from systems architecture, business process definition, requirements gathering-analysis, to design, coding and testing. • Technical lead leading a team of 3-5 developers • Ownership of multiple applications/services with complete end-to-end change management and release-ownership. • Participation in enterprise and applications-wide Systems Engineering. • Onsite US visits for requirements analysis/specification, architectural discussions, systems engineering and release participation. • Conduct company-wide trainings and project training/mentoring of fresh graduates.
Key Projects	• **Business Analysis & Systems Engineering** – responsible for analysis/definition of enterprise and applications-wide business processes, features/requirements derivation in consultation with client. System design modeling of service flows for entire DSS system for Spaceway services delivery. Including reverse-engineering and re-engineering cycles. • **CRMIS** - Design and implementation for CRM Interface Service (CRMIS) as the interface bridge application between the DSS Service Delivery platform, third-party Customer Relationship Management (CRM) and various DSS Network Access Services like KuAS, KaAS, DSL/ADSL for service delivery, order processing and customer support functions. Handling the service support and enhancements/releases. [Certificate of excellence for Team Work]. • **KuAS** - Design and implementation for Ku Satellite Transport Service (KuAS) order processing and provisioning engine for Ku-band transport. Responsible for new releases enhancements.

	• **KaAS** - Design and implementation for Spaceway Satellite Ka band Access system. Customer Network Definition and Service Delivery for Private IP, Frame Relay and BIAS ISP Network configurations. • **Enablers** - Design and implementation for DSS Enabler systems(SM, RDM) for order entry and order process management and frameworks for subscription mgmt, network inventory mgmt. Enabler frameworks are core foundation and used by entire DSS system. Responsible for new releases, management of data/flow synchronization designs among various enablers and for performance tuning.
Skills/Technology Used	J2ee, EJB, JMS, JTA, Java, XSD, UML, OOAD, business analysis, systems engineering, Operations Support Systems (OSS), BEA Weblogic 8.1, Oracle 8.1.7, LDAP, GetAccess, Rational Rose, Visio, Solaris, Windows NT, Windows 2000, DSL router, element managers, Vantive, clearcase

SMS (Service Management System) - Hughes Network Systems (client) **-** Sep 2001 – Nov 2003	
Summary	Service Management System (SMS) is a network management system that specializes in the creation of managed services for the enterprise.
Personal Role	• Worked on complete SDLC process from requirements gathering-analysis, to design, coding and testing. • Ownership of independent modules extending to complete end-2-end ownership for a release mgmt. • Onsite US client visits for requirements specification gathering, design discussions and release participation. • Working in a team as senior developer and development of new team members.
Key Projects	• **SCA** – Service Configuration Application – Desktop like fast web-application for generic configuration of service components, enterprise service hierarchy and impact graphs. Complete release ownership, conception, design, cut and release testing • **TA** - Implementation for scalable architecture to handle millions of alarms along with alarm augmentation for uniform alarm format and enrichment
Skills/Technology Used	J2ee, Java, JSP/Servlets, DHTML, XML parsing, xsd, C, C++, HP OpenView, SNMP, Weblogic, Oracle 8.1.7, HP OpenView 7.x, AdventNet, SMARTS, Rational Rose, Solaris, Windows NT, Windows 2000, clearcase

Graduate Industrial Training

Legato Systems India - Jan 2001 – April 2001	
Summary	Machine virtualization for simulating number of environments. Project was conceptualized as Legato required a simulated testing environment of large number of nodes for testing its storage server products.
Personal Role Key Project	• Study, conceptualization, design, implementation, testing • **Virtual Host** - Modification of the Linux Operating System networking and process kernel modules and writing of driver modules for the simulation of multiple virtual host platforms on a single machine at the OS level.
Skills/Technology	C, Linux kernel programming, Linux OS Internals (Linux 2.4)

Graduation Projects

B. E, Netaji Subhas Institute of Technology (Formerly DIT), Delhi, India - 1997 – 2001	
Projects Summary	• Projector - 3D building, viewing & ray-tracing system - Stereo Projections & Complete 3D Env • X–Windows Application - Fast App Builder Engine & Widget extensions • Pay-roll System – a Visual Application - Visual Dynamic SQL Builder • System Scheduling Simulator - For heterogeneous dev's

Skills Summary

Technology	Core Java, Java concurrency, Kafka, Storm, EJB, JMS, JTA, J2ee, JPA, Spring, Hibernate, angularJS/2, perl, beanshell, functional programming, AOP, dynamic languages, Scala, UML, OOAD, design patterns, reverse-engineering, Weblogic, Websphere, JBoss, SQL, FPML, BPMN, BPEL, XPDL, JSON, clustering, MQ, MS Project, Visio, Rational Rose, Enterprise Architect, Scrittura 4.3, Thunderhead 5/4, BPMS, WebMethods 8.2, Tibco, Tibco(RV), Process Server, Murex 2.11, MXML, Murex BO, Drools, EhCache, Oracle, Sybase, MySQL, MongoDb, BigData, Analytics, Trace Financial Transformer, OpenAdaptor, XMLBeans, Maven, Gradle, Jenkins, Cruise Control, C, C++, Linux Kernel programming, HP OpenView, Windows, Solaris, JIRA, Clearcase/CVS/SVN/Git, Eclipse, Wiki, CA Clarity PPM, Alteon, AWS, Enterprise Integration (EAI), architecture planning, Enterprise Service Bus (ESB), Service-oriented Architecture (SOA), messaging middleware, WebServices-WS/Rest, microservices, DevOps, Business Workflow, Business Rules, OPF (Open Payment Framework)
Process	product management, agile methodology (Certified ScrumMaster), project management (PMP), people management and motivation, stakeholder management, vendor management, distributed team development and management, risk management, systems analysis, business analysis, architectural analysis(TOGAF), organizational structure, operating model, costing , estimation tools – FPA, COCOMO II, CMMi quality practice
Domain	Banking - Investment Banking, Derivatives (Rates, Credit, FX, Commodities, Equity), OTC Trade Lifecycle, SWIFT/FIX/FPML, BO, Payments Telecom - Operations Support Systems (OSS)

Educational & Work Experience Achievements

Winner of multiple Individual/team awards at Clear2Pay/Aricent.
Member of Systems Engineering Excellence Team at SCB.
Corporate Level Technology Trainer – More than 50 hours of technology trainings delivered.
Ranked AIR 1152 in IIT-JEE '97 ; Ranked 16 in CEE'97 and 86 in CEEE'97 India Engineering Entrance Exams
Certificate of Merit in Social Science for Excellence and being among the top 0.1% candidates [X Std]
Cleared the Junior Science Talent Search Exam (JSTSE)   [IX Std]

Educational Qualification

Degree	B.E. (Computer Engineering) - 1997 – 2001
Institute	Netaji Subhas Institute of Technology (Formerly DIT), Delhi, India

Professional Certifications

PMP (PMI Certified - Project Management Professional)
CSM (ScrumAlliance - Certified ScrumMaster)
Java Certified