

Summary:

- Around 20+ years of professional software development and architecting experience. Have worked with clients from mature markets such as North America and Western Europe.
 - Responsible for **Platform/Product Enterprise Architecture Design**, Engineering Deliverables.
 - Hands on experience in designing Enterprise architecture with **Custom/COTS/Open source** products.
 - Own the **Platform development / Created Enterprise design & Solution design** Deliverables / Drive the Engineering team, Interacting with Client technical directors/architects.
- **Leading Platform/Enterprise solutions** and created Platforms for Major clients
- Provide best-fit architectural solutions for **platforms/product/projects**; assist in defining platform scope and sizing of work; implement the solutions; create technology differentiation; leverage partner technologies; participate in competency development with the objective of ensuring best-fit and high quality technical solutions and creating thought leadership within the area of project technology specialization and in compliance with guidelines, policies and norms of Organization
- Own **enterprise architecture, technology strategy**, solution architecture and thought leadership initiatives
- Extensive experience in **business process automation & enterprise application integration**, data mediation.
- Designed, developed a **proprietary Platform with Micro service designs** for Order management platform.
- First-hand experience in developing a **digital strategy or roadmap**. Engage customer in making right choices in terms of priorities influencing architecture. Worked on large open source-based solutions as alternate proposal in Technology modernization.
- **Evaluate technology options** (including PoC to quickly understand the implications) for realizing IT architecture
- Delivered large programs in migrating large Enterprise Applications to cloud. (Telecom Applications & e-commerce (ATG Web Commerce, IBM WebSphere Commerce Server, SFDC, SAP)
- Lead large Enterprise Cloud Architecture initiatives through cloud assessment, building landing zones, foundation, security, governance, operations, and DevOps.
- Collaborate with client's architects, SBU leadership, client relationship management, & Infosys's technology groups to develop and apply applicable best practices and patterns in the context of the program/LOB
- Lead large **BigData, IoT and AI solutions** for various customers using public/private cloud technologies.
- Created a Messaging Framework and **BPM Framework for Order orchestration**.
- Design of modular and extensible reusable components (or framework) following the industry standards
- Extensive implementation knowledge on JBOSS FUSE, ActiveMQ, ActiveVOS, Camunda, Activiti, ATG Commerce, IBM Web sphere commerce. Open source solutions, Integration Technologies, Big Data Technologies.
- Define NFR realization & validation strategy for the project
- Perform infrastructure sizing, tuning and develop BOM (Bill of Material) for new procurement
- Defined and implemented **TDD (Test Driven Development)** and DevOps process/technology in the Platform
- Authored/Co-Authored Multiple Publications in Journals of repute/Whitepapers in the area of specialization and has been a sought-after speaker in Industry Forums
- Strong problem solving and technical skills coupled with the below technical experience
- **Good grasp of big data technologies, analytics and Cloud adaptations**

Key Architectural Deliverables:

Current Engagement: Role: **Chief Enterprise Architect of Platforms**

- North Star – Architecture for Major Portfolio & their Implementations
- Customer Experience Platform Architecture – SOE (System of Engagement) / SOI (System of Insights) / SOR (System of Record) /
- Improvised Order Management Flow – VRD
- BPM Event Driven Architecture
- API Management – Publisher / Subscriber Model realization | CI / CD Platform Design & Policy Definition
- Consumer Fraud Prevention Design | Consumer Reference Architecture
- Application Performance Management Architecture
- Logging Architecture - Redefined
- Federated Catalog Management, Catalog Driven Architecture

- ETMS – Modernize ETMS architecture
- RPA Solutions – Key Designs (Customer Onboarding)
- Verizon Connect – Reveal Order Management Cycle | 1ERP Approach
- Billing – Unified Billing Structure (E2E) Solution & Design
- SFDC, PEGA – Integration Architecture
- SaaS Integration Architecture Patterns
- Front End Architecture for Internal / External Applications

Previous Engagement: Role: **Platform Architect**

- Transform/Rule based Routing Framework – JBOSS Fuse, Camel
- Monitoring & Throttling – JBOSS EAP, Custom Java Algorithm
- Decomposition Frame work– ActiveVOS, Camunda
- Custom EAI Framework – JBOSS EAP, Custom API end points, AMQ
- Eventing System – Custom Java/API/NoSQL
- Store & Forward Order Framework – Spring Batch, Custom Java. Order ReRun Framework
- Replacement of COTS Order Management Platform – Open source based
- Custom DevOps Pipeline
- Microservice Framework – B2B, B2C
- Custom Task Framework
- Custom Order Data Framework – B2B, B2C – Telecom
- Adaptor Framework (API Endpoints, Process Endpoints, AMQ Endpoints) Business Process
- Microservice Monitoring Framework
- Application / System Monitoring Framework
- Order Queue Management Framework
- Notification Framework
- Digital Campaign Platform

Domain:

- Telecom Domain (Order Management / Customer Experience)
- Telecom Domain (Business Group Enterprise Architecture)
- API Strategy
- Defining Digital Experience Strategy
- Defining Northstar strategy for 3 different portfolios
- e-commerce Platforms (Websphere Commerce Server / ATG Commerce Server)
- Business Insight Platform – Telecom/B2C
- Customer Insight Platform – B2C
- Digital Marketing Platforms
- Telecom Platforms
- BSS/OSS – CRM, Fulfillment
- Financial / Insurance Platforms
- Healthcare Platforms

Technologies:

- Integration Technologies - JBOSS EAP, FUSE, MuleSoft, WSO2, AMQ, Oracle Service Bus, Apache Camel, Drools, Kafka, Spring Batch
- BPM Technologies - ActiveVOS, Camunda, Activiti. Realizing BPM Engine with Microservice architecture using Eventing Mechanism (Kafka)
- DevOps Technologies – Jit, Maven, Jenkins, Sonar Cube, Cucumber, Junit, SoapUI, Splunk
- NoSQL Technologies – Cassandra, MongoDB, Redis, Spring, Hibernate, Angular, Ajax, Node.js, ExtJs, RxJava, ReactJS, Apache 2.0
- Other Technologies: Logstash, fluentd, Splunk, RabbitMQ, Kibana Grafana, Hive
- Cloud Platforms: Azure, AWS, GCP, PCF, Salesforce, IaaS, PaaS, SaaS, Containers, Kubernetes, Cloud Native, DevOps
- App/Web Servers / Other DB Servers:
 - o Liferay, JBOSS Portal Servers, Tomcat / WebSphere / WebLogic Application Server, WebSphere Portal, WebLogic Portal servers / Java Webserver / Clarity PPM V13 / Microsoft Project Server
- Oracle 11 / DB2 / MySQL
- Knowledge on Other Cloud/Big Data Architecture Components: Spring Cloud, Google Cloud, AWS Cloud EC2, AWS (Elastic Load Balancing), Eureka (Service Discovery), Hystrix, AWS (Lambda),

Kumar Sankarasubramanian
Chief Platform / Enterprise Architect
Infosys Limited

+ 91 – 73959 43676
kumar.principalarchitect@gmail.com
<https://www.linkedin.com/in/kumarsankarasubramanian>

- Flume, Pig, Hive, Apache HBase, Hadoop, HDFS, MapReduce Algorithms, Zookeeper, Hue, Oozie
- Knowledge on other Enterprise Systems: S4 / HANA, SAP SOM, SFDC, Clarity

Educational Details:

Master of Computer Applications – 2001
BSc – Physics – 1998

Current Organization:

Infosys Limited – 11 years as platform architect

Earlier Organizations:

9 years' experience working as Technical Lead, Architect (Polaris, Tech Mahindra, Cognizant, Verizon)