**JAYAKUMAR SADASIVAN**

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##### **Software architect**

Accomplished software solutions architect, proficient in translating intricate business requirements into robust technical solutions, supported by a wealth of experience in system integration. I bring a dynamic skill set to drive innovation and deliver high-quality software architectures that align with strategic business objectives.

##### **ACCOMPLISHMENTS**

Consulting at Comcast for UST Global

Senior Software Architect *Raleigh NC & Denver CO | June 2017 – Present*

* Spearheaded the architecture and implementation of core business solutions under Payment and Billing domain, processing yearly revenue of close to **$1B**.
* Championed the architecture and execution of Billing Orchestration Services (BOS), including 10 microservices and **80+ REST APIs** for seamless integration. Optimized operational efficiency and system cohesion. Successfully onboarded 8 applications to the BOS platform.
* Took charge in designing and driving the development of **XClass TV payment APIs**, managing the intricacies of payments and refunds for OTT subscriptions. Seamlessly integrated these APIs with internal systems for robust data enrichment and an external billing system for efficient payment processing.
* Led the successful **migration of legacy** payment processing application for Comcast video purchases and rentals to cloud-native solutions using Spring Cloud Suite, PCF and AWS. Implemented self-healing mechanisms, resulting in a remarkable reduction of fallouts and on-call engagements by nearly 100%.
* Initiated and drove **cloud adoption** efforts in XRM Video Org, empowering the utilization of AWS S3, DynamoDB, Kinesis, and SQS for microservices architecture.
* Rearchitected Netflix billing services by introducing **asynchronous workflows**, achieving a flawless execution with zero fallouts.
* Guaranteed adherence to established design principles, including the 12 Factor App and SOLID design principles.
* Focused on building reusable components and archetypes to slash repetitive code, minimize defects, and **accelerate time-to-market**.
* Drove collaboration with product teams, transforming business reqs into actionable solutions.
* **Tech stack:** **Java**, Spring Boot, **Spring cloud** **Suite**, Oracle, Kafka, **AWS**, Cloud Foundry, Redis Cache, Swagger, Junit. Observability built using **ELK** stack, **Nagios** monitoring and **Kibana** dashboards.

Consulting at Apple for Tata Consultancy Services

Software architect San Jose, CA, USA | *Feb 2017 – Jun 2017*

* Contributed to the migration of APIs to Java for the **iCal** – the calendar application on MacBook.

Consulting at Travelport Inc. for Mindtree Consulting

Architect / Team Lead *Denver, CO |* *Feb 2010 – Feb 2017*

* Spearheaded the design and development of Hotel Content Plus (HCP) - a hotel content aggregation system that manages and distribute content of over 200 Hotel chains/Groups and 200,000 hotels worldwide.
* Lead engagements with the business and technical teams of over 15 content providers including Pegasus, Hilton, Marriott, and content consumers like Priceline, Orbitz, and Expedia.
* Built integrations utilizing REST, SOAP and bulk file transfers using FTP employing both synchronous and asynchronous methods, handling content formats including Json, XML & CSV.
* Lead and mentored a team of over 10 engineers in both design and coding practices.
* **Tech stack:** Java, REST APIs (IBM JAX-RS), WebSphere suite (WebSphere Application server, MQ, DB2), Hibernate, Git, SVN.

 Team Lead / Senior developer Bangalore, India*|* *Sep 2004 – Feb 2010*

* Led the development of Airline Content Hub (ACH) - an integration layer linking over 10 major airline systems including Air Canada, Air Asia, and Southwest to online booking platforms like Expedia and Orbitz for flight reservations.
* Built based SOAP APIs adhering to OTA standards and Service-Oriented-Architecture.

##### **Skills**

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| **Soft Skills** | Problem solving, Customer engagement, Mentoring |
| **Cloud services**  | AWS (EC2, EKS, ECS, S3, DynamoDB, Kinesis, SQS)Pivotal Cloud Foundry, Open Cloud Foundry |
| **Java stack** | Spring Boot, Spring Cloud, Hibernate, Maven |
| **Services stack** | Microservices, SOA, SOAP, REST, Jax-RS, Oracle AQ, IBM MQ, Kafka, ELK (Elastic Search, Logstash, Kibana), Docker, Kubernetes |
| **Databases**  | Oracle, DB2, MongoDB |
| **Processes & Tools**  | Agile, Jira, Rally, Git, draw.io, SonarQube, GoCD |

##### **Education**

Masters in Computer Applications | Sri Ramakrishna College, India | 2001- 2004 | Honor student