Rohit Jha – Solution Architect, Senior AWS/DevOps Consultant

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**Summary**

* **AWS Certified Solution Architect / Sr DevOps Consultant** with 15+ years experience leveraging AWS (expert), cloud integration (advanced), and DevOps practices to design, build, and automate secure, scalable solutions.
* Lead the architectural design and development of several commercial applications, ensuring they meet business needs, performance standards, data governance, data compliance and security requirements.
* Proven track record of delivering cost-effective projects on time and within budget, achieving 30% faster deployments and 20% cost reduction through cloud migration
* Able to leverage Agile and Waterfall SDLC approaches to deliver high-quality software, further enhanced by my adeptness in software testing
* Possess excellent interpersonal, communication and analytical skills

**Key Domain and Technical Knowledge**

* Domain : Retail, Banking, Telecommunication, Transportation & Logistics
* Technical : AWS services like EC2, VPC, S3, EBS, ELB, ALB, Route53, CloudFront, IAM, RDS, PostgreSQL, Redshift, CloudWatch, OpenSearch/Elastic/Kibana, CDK, Lambda, Apigee, Snowflake and API Gateway. Cloud Integration using SoftwareAG webMethods on SaaS platform, Message Brokers like webMethods Broker, RabbitMQ, Kafka and Universal Messaging. API Gateway implementation using Tibco Mashery, Amazon Web Services (AWS) API Gateway, Apigee and CentraSite.
* Programming Languages : Java, Python, .NET, C#, Mainframe, XSL, MS SQL, SWQL and Advance SQL(T-SQL, PL/SQL, HiveQL)
* Web Technologies : HTML, Web Services – SOAP and REST, XML, CSV, EDI, Flat File and JSON
* Database : SQL Server, couchDB, MongoDb
* Tools & Utilities : IBM WebSphere Application Server (WAS), Oracle WebLogic Server, Unix, Linux, Windows, Tibco Mashery, SoftwareAG webMethods (7.x, 8.x and 9.x) - Developer, Designer, Integration Server, Mediator, Broker, JDBC & MQ adapters, webservices, Deployer, Trading Networks, CentraSite, My webMethods Server, ApplinX, CONNX, SAP BusinessObjects, Altova XMLSpy, Puppet, Hudson, Jenkins, Harness, Terraform, Kubernetes/EKS, Docker Swarm, Jira, Bamboo, Bit-bucket, Redis, Graphana, RabbitMQ, Kibana, Splunk, Maven, DBVisualizer, Visual Source Safe and HP Quality Center.
* Framework : Spring, Springboot

**Academic Qualification and Certifications**

* AWS Certified Solution Architect - Associate
* Bachelor of Engineering in Electrical in 2008 from Mumbai University, Mumbai, Maharashtra, India.

**Projects:**

Project Title: **Managed Platform** **– Cloud**

Role: Senior IT Consultant

Client: Amway, Michigan, USA

Duration:From May 2018 to Till Date

Description: This project deals with the setting up the platform for both on-prem and cloud based for Developers to develop, test and deploy their services. The on-prem platform has been setup in the physical location of client HQ whereas AWS has been used for cloud services. The services involved are used for Order transactions, fetching ABO Data, managing ABO Bonuses, transfer data between different applications across various countries to name a few. The services are being monitored using various monitoring tools like Dynatrace, Splunk, CloudWatch, CloudTrail and Kibana.

Responsibilities:

* Led the migration of a legacy core Manufacturing and Retail application to AWS, prioritizing data protection measures, achieving 20% cost reduction and 30% improvement in application performance.
* Developed secure and scalable platform for building Java application which uses Spring and Springboot frameworks.
* Designed and implemented a secure cloud infrastructure for real-time fraud detection platform, ensuring PCI-DSS compliance and reducing false positives by 15%.
* Leveraged Harness CD Pipelines and Delegate Proxy to automate infrastructure deployments and application rollouts for AWS accounts, achieving a 40% reduction in deployment time and a 70% decrease in manual intervention.
* Facilitated management and provisioning of the resources using Harness’s Infrastructure as Code capability
* Established and implemented best practices for cost optimization, resulting in 10% annual cloud cost savings.
* Mentored and coached junior architects, fostering a culture of continuous learning and innovation.
* Defined and executed cloud adoption strategy migrating 20+ applications to AWS within a short span of time.
* Proven expertise in leveraging Terraform for infrastructure as code (IaC) automation, ensuring consistent and repeatable deployments. Automated infrastructure provisioning and deployment for complex multi-tier applications using Terraform modules and dynamic configurations.
* Secured AWS infrastructure against cyber threats using proactive security plans for monitoring and vulnerability management.
* Collaborated with Development teams to design and implement CI/CD pipelines, utilizing Harness and GitLab CI for continuous integration and delivery.
* Managed and optimized high-traffic enterprise applications deployed on IBM WebSphere Application Server (WAS) and Oracle WebLogic Server.
* Integrated CI/CD pipelines with Bamboo, JIRA, and Bit-bucket to streamline development and deployment processes.
* Designed and implemented cloud-based data lake architecture with robust access controls and audit trails, ensuring compliance with PCI-DSS and SOX requirements for digital channels.
* Created Service Requirement Specification, Service Specification, Technical Design and Functional Design Documents for the application and database migration.
* Designed and implemented scalable and robust messaging broker platform using messaging systems like RabbitMQ and Kafka
* Developed and maintained complex SQL(Advance SQL) queries and procedures for diverse business needs, including ad-hoc reporting and trend analysis.
* Built a data analysis framework utilizing Snowflake's capabilities, including UDFs, materialized views, and advanced analytical functions.
* Proven expertise in architecting and deploying robust disaster recovery (DR) solutions across cloud environments, ensuring business continuity and minimizing downtime in the face of disruptions.
* Designed and implemented efficient SQL queries for complex data analysis and reporting, improving data access speed by 30%.

Project Title: **GI – Global Integration**

Role: Senior IT Consultant

Client: Amway, Michigan, USA

Duration:From March 2017 to April 2018

Description: This project deals with the integration of Business Units located in different countries around the globe where Amway has presence in. The integration involves several business functionalities including but not limited to Order Placements, ABO Account Management, ABO Leadership Institute, Data transfer across different applications, etc. These activities are core part of successful functioning of Amway business across various countries and thus needs special care, attention and coordination between various teams.

Responsibilities:

* Interacting with different Business Units for gathering requirement for data sharing across various applications
* Once the requirements are gathered, **Service Requirement Specification**, **Service Specification**, **Technical Design** and **Functional Design** Documents will be created and will be signed off.
* Developed and deployed scalable web applications using Java and C#, leveraging Entity Framework for data access.
* Expose the Java and C# microservices using **Tibco** **Mashery** and **Apigee** API Gateway solution and include necessary authorization and transformation based on the requirement.
* Automated continuous integration and continuous deployment leveraging the capabilities of Harness and Terraform.
* Data and file transformation was achieved using SoftwareAG webMethods Flow services.
* The development and integration of services are done using **webMethods 10.x** version of **Integration Server, Mediator, CentraSite, Insight, ApplinX, CONNX,** and **Oracle Database**
* Leveraged SAP BusinessObjects to enable self-service reporting and data analysis, empowering business users.
* Proficient in analyzing and interpreting SAP BusinessObjects reports to extract actionable business insights.
* Monitored transactions and reports using Elastic search engine **Kibana**

Project Title: **GSB – Government Service Bus**

Role: Senior IT Consultant

Client: Telecommunication Regulatory Authority, Dubai

Duration**:** From April 2016 to March 2017

Description: This project is about integration of different Government units under one umbrella known as **Government Service Bus** using Software AG’s webMethods integration applications. When a Government Entity wants to share its functionality with other Government Entity, GSB will act as a mediator in between these two Entities for the transaction of messages. This is done to have a common monitoring and integration platform for Government to monitor and have control over flow of messages across its different Entities.

Responsibilities*:*

* Interacting with different Government Entities for gathering requirement for onboarding their service
* Once the requirements are gathered, **Service Requirement Specification**, **Service Specification**, **Technical Design** and **Functional Design** Documents will be created and will be signed off
* The development and integration of services are done using **webMethods 9.9** version of **Integration Server, Mediator, CentraSite, Insight** and **Oracle Database**
* Creation of webMethods and Java services for different type of operation like **Mapping**, **Data Translation**, **Data Transformation** and **Validation services** using webMethods Designer connected to Integration and Mediator Server.
* Deployment of the webMethods Components created using webMethods Deployer
* Creation of **reporting tool** usingwebMethods CentraSite and Oracle Database for reporting the number of invocation of services by each Entity

Project Title: **IBB – Integration Backbone Layer**

Role: IT Consultant

Client: DHL Information Services Europe s. r. o., Prague

Duration**:** From March 2012 to March 2016

Description: This project deals with the introduction of ‘Integration Backbone Layer’ between the client’s already existing Legacy/SAP/Country specific end systems. This is done by implementing ‘Canonical Data Model’ framework which will convert all the incoming messages from Legacy/SAP/Country specific messages into a canonical document and this canonical document will then be converted to respective target format based on the requirement of the data flow. The introduction of this layer gives the flexibility to view and analyze all the business operations done by the firm from all over the world which is otherwise restricted to their respective countries.

Responsibilities:

* Created **‘Automated Testing Framework’ (ATF)** for the client which reduced the time of testing from 1 day used by the Tester to test a flow to just few seconds. ATF is capable of not only testing the flow but also notifies the user with the report of the test in the form of email. Testing records will also be present in the database for future reference. It is completely scalable and new features are added as and when needed.
* Creation of webMethods and Java services for different type of operation like **Mapping**, **Semantic Conversion**, **Data Translation**, **Data Transformation**, **Validation Layer**, **Analytical Layer**, **Storage Services** etc. using webMethods Designer by connected to Integration Server.
* Creation of **reporting and monitoring tool** named Message Hospital Repository/Non-Repudiation Audit using webMethods **MyWebMethodsServer** (MWS) and **Common Application Framework (CAF)**.

Project Title: **FTU – File Transfer Utility**

Role: Senior Software Engineer

Client: Wells Fargo, San Francisco

Duration**:** From Aug 2011 to Mar 2012

Description: This project deals with migration of implementation from Informatica to webMethods

8.2. This “File Transfer Utility” provides solution to the clients concerns regarding increased volume, capacity and high availability after their acquisition of other Leading Bank from the same Country.

Responsibilities:

* Creation of webMethods/java services which acts as building components for ‘**File Transfer Utility**’ **(FTU)**
* Creation of reporting and monitoring tool using webMethods MyWebMethodsServer (MWS) and Common Application Framework (CAF).
* Made good use of JDBC and MQ adapters while connecting to applications having JMS and MQ connections respectively.
* Monitoring the status of Integration Testing and assisting in quickly fixing the defects arose out of such testing using HP Quality Center (HPQC) testing and ticketing system.
* Creation and editing of XML schema definitions (XSD) using Altova XMLSpy.
* Accessing files for creation/modification using Revision control/version control/source control software for Windows like Tortoise Subversion (SVN) for preventing important files from accidental deletion and recovering.

Project Title: **OMS – Order Management System**

Role: Software Engineer

Client: John Lewis Partnership, London

Duration**:** From Oct 2010 to Jul 2011

Description: The project with a Leading Retail Chain of UK, was an Application Integration project between various applications to develop an “Order Management System”. Order Management System was designed to give multi-channel retailers and consumer goods manufacturers with retail/direct operations the tools to manage, monitor and optimize cross-channel order management - from the time of order entry through funding sourcing, allocation, shipping and settlement. Regardless of whether an order originates online, in-store, through the call center or catalog, multi-channel retail application leverages firm's Supply Chain Process Platform to provide a global, real-time view of inventory, order status and location. Based on a true order management infrastructure and advanced multi-channel algorithms, Order Management System allowed the firm to cross channel their operation by serving all channels within their retail management system with real-time views of orders and inventory.

Responsibilities:

* Implementation of Java Messaging System using webMethods Broker
* Deployment of the webMethods Components created using CIDeployer and webMethods Deployer
* Creation of webMethods services for different type of operation like Mapping, Semantic Conversion, Data Translation, Data Transformation, etc. using webMethods Developer/Designer by connected to Integration Server.
* Monitoring the status of Integration Testing and assisting in quickly fixing the defects arose out of such testing using HP Quality Center (HPQC) testing and ticketing system.
* Connecting to the UNIX based file system by using tools like winSCP and Putty