## AJEET SINGH RAJPOOT

## Sr. Solution Architect |Snowflake |AZURE | Kubernetes | Big Data Engineer | Spark | Graph Databases |Cloud Solutions | ML Python |Data Governance |Metadata|

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# SUMMARY

* I am a **seasoned software professional with 18+ years of experience** as a hands-on **Solutions Architect**, adept at designing, architecting, mentoring, training, and coaching teams. Known for strong **debugging** and **analytical skills**, I consistently deliver high-quality solutions in challenging and dynamic environments.
* **Extensive Technical Expertise:**  
  Strong exposure to the **Big Data landscape**, **cloud technologies**, **microservices architecture**, **client-server systems**, **Docker/Kubernetes**, **streaming solutions**, and **machine learning trends**.
* **Big Data & Cloud:** Hands-on with Apache Spark, Hadoop, Kafka, Hive, MapReduce programming, and Scala; foundational knowledge of Python.
* **Architectural Leadership:** 8+ years of governance and assurance for Big Data projects; skilled in aligning technology with business goals.
* **Design & Documentation:** Expertise in preparing and reviewing SRS, HLD, LLD, and test case documents.
* **Emerging Tech:** Proficient in Generative AI, Blockchain, Crypto, and Web3.
* **Soft Skills**: Strong decision-making, interpersonal, and multi-tasking abilities; thrive in fast-paced, dynamic environments.

## WORK EXPERIENCE AND ROLES

### Current-

Oct’2021 - till date Blueyonder India Pvt. Ltd.

(Sr.Staff software engineer ) Bangalore, India

### Past-

Dec’2018 – Aug’2021 Optum Global Solutions (India) Pvt. Ltd. (Solutions Architect) Bangalore, India

June’2011 – Dec’2018 Impetus Infotech (India) Pvt. Ltd. (Technical Architect) Bangalore, India

Apr’2008 – June’2011 SPA Computers Pvt. Ltd.

June’2005 – Apr’2008 Huawei Technologies India Pvt. Ltd.

Apr’2004 – June’2005 Evolving Systems India Pvt. Ltd.

## KEY Areas

## System Architecture:

## Design overall architecture, define best practices, and communicate them to teams.

## Decision Management:

## Document and present architectural decisions to stakeholders.

## Best Practices:

## Recommend industry standards tailored to project needs.

## Optimization:

## Implement strategies for performance and scalability.TRAINING, PAPERS AND CERTIFICATIONS

* + Azure Solution Architect Cloud Certifications
  + Hands On Essentials - Data Warehouse --- Snowflake
  + Published Evaluation of GRAPH technology landscape
  + Cloud Architecture – Design Decision courses
  + Certified Tiger Graph-GQL
  + Informatica/Collibra Data Governance Certified
  + Spark advance courses, optimization, performance tuning
  + Bigdata and Cloud Architecture Design Certified
  + Training and mentoring at organization level for Bigdata Stack tools and technologies.

## TECHNICAL SKILLS

* + **Programming Languages:** Core Java, Scala, Python, C, C++, PHP, Data Structures.
  + **Architecture Tools:** Visio, Rational Rose, OmniGraffle, draw.io
  + **BIG Data Technologies:** Spark Core, Spark SQL, Spark Streaming, Hive, Map Reduce
  + **Graph databases:** Tiger Graph, DGraph, AWS Neptune
  + **No SQL:** HBase, Mongo DB
  + **Streaming:** Kafka, Azure Stream Analytics, Spark Streaming
  + **Cloud:** Azure Services, Basics on AWS, GCP
  + **Hadoop Distributions**: MAPR, HDP, Cloudera
  + **Data Ingestion Tools:** Flume, Sqoop, ADF
  + **Workflow/Scheduler:** Spring Batch, Oozie
  + **Version Control:** CVS, SVN, Git,CMVC,bitbucket
  + **Scripting:** Shell Script, Python, Sed, Awk
  + **Database:** RDBMS (MySQL, Oracle), Informix
  + **IDE:** Eclipse, IntelliJ, Code Blocks
  + **Web Technologies:** AngularJS, PHP, HTML, SOAP, REST, OpenAPI/Swagger
  + **BI/Reporting Tools:** Jasper Soft, Tableau,i-reports
  + **Defect Tracking:** Jira, Bugzilla, Rally
  + **Learning mode:** GraphQL, Data Synthesis, SIS(Self- sovereign identity),Azure Data Platform
  + **Bigdata Tools Evaluation/Exploration:** Apache Tika, Splice Machine, MemSQL, Apache Falcon, Apache Atlas, Apache ignite, Keyclock, Jethro, ELK, Apache Ranger, Master Data Management (MDM), Kerberos, Machine learning algorithms.

# QUALIFICATION

* + Masters in computer application **(MCA)**

MITS, GWALIOR (MP)-INDIA

* + Bachelor’s in computer science **(B.Sc.)**

Holkar Science College, INDORE (MP)-INDIA

# Roles and Responsibilities:

# Strategic Decision-Making & Collaboration

# Collaborate with business teams and portfolio architects to develop suitable solutions for product strategies.

# Participate in decision-making for tools and technology selection in alignment with product goals.

# Engage with third-party vendors (e.g., Jaspersoft, Tableau, MicroStrategy) alongside business and architects for product strategy and solutioning.

# Work closely with all levels of American Express management to document business objectives and provide innovative solutions to meet these goals.

# Leadership & Relationship Management

# Build strong relationships within Impetus to ensure alignment of leadership teams with project strategies and priorities.

# Manage release and sprint plans, including scheduling, budgeting, and coordinating product development with business and technology teams.

# Perform performance appraisals and recommend salary increases for engineers, coordinating their training needs with the global training team.

# Architectural Responsibilities

# Develop the overall system architecture, define guidelines, principles, and best practices, and communicate these to development, testing, and operations teams.

# Provide architecture governance by validating solutions against agreed-upon architectures and maintaining an architectural and technical decision log.

# Recommend industry best practices and approaches tailored to project requirements.

# Design and implement frameworks for project development and multivariate data integration.

# Technical Expertise & Delivery

# Deliver initiatives for big data analytics and large-scale data processing using technologies like Spark and MongoDB.

# Contribute individually to estimation, design, and implementation of modules while optimizing system performance.

# Define and implement performance tuning and optimization strategies.

# Present solutions to developers and testers for implementation and validation based on user stories.

# Innovation & Proof of Concept (POC)

# Design and deliver architecture and solutions for POCs within the Big Data practice group.

# Successfully developed frameworks and initiatives supporting big data analytics and processing.

# PROJECT WORK

Cognitive Business Planning (CBP) Feb-2022-Till Date Company: BlueYonder (India) Pvt. Ltd.

Designation/Role: Sr. Solution Architect

COE Work Healthcare Platform (HCP) MAY-2020-Aug-21 Company: Optum Global (India) Pvt. Ltd.

Designation/Role: Solution Architect

Product Name: Enterprise Metadata Repository

Company: Optum Global Solutions (India) Pvt. Ltd. Mar-2019 – Oct-20 Designation/Role: Solution Architect

Client: American Express (AMEX)

Designation/Role: Technical Architect

Big Data Practice (COE Work) Project Name: DataFabric

Company: Impetus Infotech (India) Pvt. Ltd. Jan-2018 – Sept-2018 Designation/Role: Associate Technical Architect

ProjectName: SMART2.0

Company: Impetus Infotech (India) Pvt. Ltd. Nov-2016 – Dec-2017 Client: American Express (AMEX)

N&A (Name and Address) March-2016 – Oct-2016