

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, Keycloak, 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

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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	

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