

Having approx. 9 years of experience in developing and implementing the Data Engineering, System Design, System Integration, Analytics and real-time applications using Hadoop, Pyspark, Scala, Structured Stream Processing, Python, Hive, Shell Scripting, SQL, Kafka, SOLR, Impala, Kudu, StreamSets, AWS Services like EMR, MSK, ECR, Kinesis, Glue, Lambda, Elastic Search, Redshift, RDS Aurora Postgres and many more. Skilled in EAI (Microservices, IIB, DataPower, Message Broker, GXS B2B Gateway, MQ, IBM API Connect, Building Integration using Spring Boot Framework), having initial exposure to ETL (Informatica), Reporting Tool(Business Objects), CI/CD, GITLAB/CVS/BitBucket, Relational/NoSql DBs, Python Data science/ML libraries and various other technologies with positive attitude of exploring new arenas of work and try hands on latest technologies in free time. Languages and tools have never been a restriction for me and will never be. Always aim to add something new in my mind's database every day. Learning new things excite me. I would love to be a part of a rapidly evolving field rather be in a static one.

Experience Summary

1) Since Sep 16, working with Boston Scientific, Gurgaon as – Senior Data Engineer and EAI Designer/Team Lead

The Attainments:

- Ability to design & develop BIG Data and Integration based solutions.
- Hands on AWS Services for Data Lake i.e. Lambda, Kinesis, Glue, EMR, Ec2, DMS, Athena, DynamoDB, SSM, RDS, Event Bridge, Elastic Search, MSK, Redshift, Step Function, Cloud Formation, ECR and many more.
- Hands on Hadoop Technologies includes Hadoop, Hive, Spark, Pyspark Stream Processing, Python, Shell Scripting, SQL Queries, StreamSets, Kafka, Solr and many more.
- Working as project lead for EI & managing team size of 9.
- Also Involved in System Integration testing (SIT) and User Acceptance testing (UAT) for different projects.
- CICD, Docker
- Developed several Pattern Services for enabling integrations just by using configurable property by all developers like FxferService for file transfer integrations, CryptoService to support encryption/decryption/signing/validation using BouncyCastle, Rest2Queue, Queue2Rest, File2Queue and many more.
- GITLAB validation before migration from CVS to GITLAB.
- Worked upon Internet Of Things(IOT) products like Raspberry Pi, Arduino, Sensors to build MVP of several projects for Digital Health Team.
- Explored AR/VR products including Oculus Rift and Hololens and demo their use cases in healthcare.
- Gather functional requirements from Business and design EAI BEST SOLUTION and estimates.
- Develop API's using IBM API CONNECT FOR INTERNAL/EXTERNAL TRAFFIC TO/FROM Boston Scientific APPLICATIONS.
- Develop REUSABLE components and services like FXXFER for MFT and ADAPTER Framework for integration.
- Maintain SOURCE CODE AND RELAEASE ARTIFACTS in repositories like CVS, GITLAB, BitBucket etc.
- Capture, document and communicate best practices.

2) June 15- Sep 16, worked with Accenture, Bangalore as – Integration Designer and Developer.

The Attainments:

- Technofunctional role involves working with Business Users for requirement gathering and GETTING INVOLVED IN ARCHITECTUREAL ENGAGEMENTS FOR DISCUSSIONS ON BEST EAI SOLUTION.
- Build Integration Solutions to meet requirements using MIDDLEWARE TOOLS AND TECHNOLOGIES includes WMB, WMO, DATA POWER etc.
- Develop API's using Websphere Data Power.
- Maintain source code and release artifacts in CVS.
- IBM Data power Developer Xi50 (XSLT, WSDL)
- EAI Designer and Developer
- Explored Telecom Domain Process including TCC verification in Kingdom of Saudi Arabia and Systems Involved.

3) From March'13 – May'15, worked with TCS, Pune - as EAI and ETL Developer.

The Attainments:

- Data Warehousing (ETL Tool- Informatica 9.x, Reporting Tool - Business Objects)
- Unix Shell Scripting
- Sql, Oracle
- Explored end to end BI solutions including ETL, Universe Designer, Reporting tool etc.
- Developer role involves working with Architects, Business Analyst to understand the requirement and finalized best EAI solutions.
- IBM Data Power Xi50 Developer
- WebSphere MQ/MB Developer
- Explored SAP ERP System Modules including SAP CRM, SRM, FICO, BODS etc.
- Explored Telecom Domain including Systems involved End to End.
- Attended workshops on Microsoft Dynamic CRM 2013, Microsoft SQL Server 2014 BI Solutions, SAP BODS.

4) Aug '12 – Feb '13 (7 Months), worked as Web Developer with Red Paw Arts Private Ltd., Delhi.

The Attainments:

- Android Application Development (Native and Hybrid App)
- WordPress Tool, Dreamweaver Tool, Picasa, WIX
- Web Application Development (Bootstrap, HTML, CSS, JavaScript, Php, J2EE)

PROJECT PROFILE -

Take a look at a few of my favorite projects I've started or been a part of during the course of my career.

Under Boston Scientific –

Project Title	Data Lake Migration from Cloudera to AWS
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Platform	Spark, Streaming, Shell Scripting, Python, Scala, StreamSets, Kafka, Cloudera, Hadoop, AWS Services like EMR, Lambda, Glue (Crawler, ETL, Connectors), Athena, EC2, Step Function, SSM, RDS(Aurora Postgres), DMS, Dynamo DB, Kinesis (Data Stream, Firehose, Analytics), Event Bridge, Hudi (Delta Streamer/Glue Connector) , Elastic Search with Kibana, Log Stash, MSK and many more.
Description	Currently actively involved in Data Lake Migration. Worked upon multiple projects to migrate tenants from on premise cloudera data lake to AWS. It includes reverse analysis of existing components in onpremise cloudera and building the alternate component on AWS. Migrated 9+ tenants so far which involved hands on multiple EDH technologies and AWS services. Many more tenants to go.

Project Title	Latitude
Platform	RDS Aurora Postgres, ECR, Lambda, EMR, DMS, CloudFormation, StepFunction, Python, Athena, Kinesis
Description	The Latitude Data Strategy Pipeline is a process for bulk ingestion and subsequent near real-time (NRT) ingestion into EDH-AWS. It enables the building of faster data products as well as analysis on NRT data.

Project Title	Global Complaint Management System
Platform	Elastic Search, Spark Streaming, Kafka, Sqoop, Step Function, Shell scripting, Kibana, Kinesis
Description	Capturing data from heterogeneous source which includes batch, real time streaming data and stored in Data Lake for further analysis. Sources includes relational DBs, Kafka Streams, File based etc. and after processing , data will be available on S3 to query via query engine.

Project Title	SAP Plumber
Platform	Python, Pyspark, Step Function, Kudu, EMR, S3, Glue
Description	EDH would be main hub for storing and shaping up SAP data which would then be used by downstream systems for their analytics and reporting needs. As per the requirement, data would be ingested from SAP source on incremental/on-demand basis and stored in EDH.

Project Title	Clinical Analysis
Platform	Glue, Sqoop, DynamoDB, Lambda, EMR, APIs
Description	<p>The proposed PMCF plans for EU MDR will require continual analysis of clinical data per product on an annual basis. In order to perform this analysis efficiently, a central data repository is needed to identify products used within a clinical study and analyze that data for safety and performance for inclusion in the CER according to the PMCF plan.</p> <p>Currently we have to go to each study individually and write that study specific code to even identify the eligible studies. A comprehensive database of all of</p>

	our studies, their patient population and the data they collected will allow us to quickly identify if we have data needed to fulfill MDR requirements.
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Project Title	Digital Asset Management
Platform	Microservices, API Connect, Sharepoint Graph APIs, Salesforce Rest/Blob APIs, Microsoft Azure AD Authentication and many more technologies
Description	Published Rest service at EI, responsible for fetching folder structure and publish media asset upto 2.5GB to 3 downstream application including Salesforce, Sharepoint, AEM. We explored and implemented Sharepoint Graph APIs, Salesforce Rest/Blob APIs, Microsoft Azure AD Authentication and several other technologies to build this integration.

Project Title	Payroll ECP System
Platform	EAI, ETL, Fxfer MFT framework, Microservices, Adapter Framework, Unix
Description	We have migrated from ADP payroll outsourcing provider to Successs Factor ECP which involves all the integrations switched from ADP to newly developed Employee Central Portal. This involved development of new integrations with more than 25 vendors include Citibank, JPMorgan, BancoPopular, HealthEquity, ChardSnyder, Vanguard, Talx, BenefitFocus etc. Mainly used spring boot framework to implement these integrations.

Project Title	Salesforce EDH Integration
Platform	Microservice, OData APIs, Impala Integration
Description	EAI was required to publish a Odata Webservice on top of EDH HDFS. We connected with EDH using Impala JDBC connections and executes queries to fetch the data from Kudu tables. Same has been transformed and respond back to Salesforce in the form of xml.

Project Title	Esker (Global Complaint Management System)
Platform	EAI , Fxfer MFT framework, Microservices
Description	To fetch that data from SAP Customer & Material tables which now land in EDH system to Esker systems, which will enable the processing of orders on Esker system.

Project Title	GCMS (Global Complaint Management System)
Platform	WebSphere Message Broker, IIB, MQ , EAI ,IBM API Connect , GXS Bizmanager Gateway for AS2 protocol transaction with FDA/other agencies.
Description	<ul style="list-style-type: none"> It is a HealthCare Domain project which includes the development and deployment of interfaces with various applications including CCS, EDH, SSRA, BW, SAP, and Salesforce.com. Mmigration of complaints data from the following applications; GCS1, GCS2, NetRegulus, NetRM, Radar, R2, PPAE, PPR, Apps Admin, Warranty Credit DB RET, Bard Acquisition, Bayer Acquisition, and Lighthouse into the Enterprise Data Hub, and, the retirement of the GCS2, NetRM and Lighthouse applications

Project Title	<u>Sign Language To Speech Converter</u>
Platform	Android Application development, IOT (Sensors , Arduino , Raspberry Pi), Python, C++
Description	Proposed solution for sign language to speech conversion for deaf and mute people or we can say gesture recognition. Worked upon hand glove by fitting flex sensor , accelerometer, arduino within it to capture the finger bending and palm orientation. Output of these sensors feed into arduino micro controller board where mapping of gesture was done to its meaning. And then using Bluetooth module sent this recognised gesture to smartphone to tell listener what the gesture meant. Used ASL sign language to spell names or words for which we don't have established signs and for rest, it was mapped to corresponding sign. This way we were able to bring down the barrier of communication between knower's of sign language and those who don't.

Under Accenture -

Project Title	Mobily Riyadh (Middle East)
Platform	IBM Data Power , MQ/MB , EAI Designer and Developer
Description	It is a Telecom project. The data flows from various upstream applications like Siebel, IN, BRM, BMS, OM, ERP etc. We are using EAI (Enterprise Application Integration) to integrate all systems and to connect with outside vendors like Bank, Govt. System etc. EAI is implemented using Data power, WebSphere MQ/MB and Java. We are using Data power for message transformation and connect to any outside vendors like TCC/Payment Gateways. I am working as EAI Designer and Developer for the project.

Under TCS -

Project Title	Middleware for Jaguar and Land Rover(Manufacturing Domain)
Platform	WebSphere MQ/MB , Unix , Oracle , IHS , Data Power Xi50
Description	The aim of the project is to integrate already established ERP legacy system to new SAP ERP system and allow them to talk. We use ESB for our integration tool of choice which gives us many options for file formats and communication methodologies .To ensure security of data flow within Network we use Data Power Box Xi50 and IBM IHS for balancing load on server instances.

Project Title	Enterprise Information Platform (BFS Domain)
Platform	Oracle, Informatica, Autosys Tool , Unix
Description	The aim of the project was to apply transformation and capture changed data coming from heterogeneous source and populate that change in Data warehouse. Process include modules like applying SCD, cleansing, staging etc. Model used was IBM BDW for creating data warehouse. Data warehouse then used by BA for finding hidden trends and for making decisions.

Project Title	ShopAll(TCS) BI Solutions
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Platform	J2EE, Oracle , Informatica , Business Objects
Description	The aim of the project was to manage Shop All Overall Process which includes Inventory Mgt., Billing and Returns. Data collected from heterogeneous source Ist staged and after cleansing using Informatica put the data in data warehouse. Dashboard was prepared using Business Object based on KPI which helped in improving the performance of Shop All.

Under Graduation -

Project Title	Chatbot For Diabetic Patient
Platform	Core Java , Oracle
Description	The aim was to simulate an intelligent conversation with one or more human users via auditory or textual methods, primarily for engaging in small talk. The primary aim of such simulation has been to fool the user into thinking that the program's output has been produced by a human.

Project Title	College Website as a Mini Project
Platform	HTML, CSS, Java script, PHP, MySql
Description	The aim of the project was to redesign the website of IMS College to give a new look and to implement the various application of Web Technology tools.

Training & Conferences Attended

2018

Organization : Amazon

Topic : **Cloud Solutions by Amazon(AWS)**

Training Title: AWS Cloud Day 2018

Duration : 1 day

2018

Organization: Xebia

Topic : Cloud, Containers and Scalability.

Training Title: TheDevTheory Conference 2018

Duration: 1 day

2018

Organization: Microsoft India Pvt. Ltd.

Topic : **DevOps with MS or open source tools & technologies**

Training Title: Microsoft Azure

Duration: 1 day

2017

Organization : NASSCOM
Topic : **BLOCKCHAIN**
Training Title: Blockchain Bootcamp
Duration : 1 day

2015

Organization: Tata Consultancy Services
Topic : Microsoft SQL Server BI Solutions (SSIS, SSAS, SSRS)
Training Title: BI Solutions
Duration: 15 days.

2014

Organization: Tata Consultancy Services
Topic : WebSphere MQ/MB, Data Power X150
Training Title: Middleware Technologies
Duration: 30 days

2013

Organization: Tata Consultancy Services
Topic : BIPM (Informatica, Business Objects)
Project Title: Shop All
Duration: 60 days

Significant Achievements and Activities

OTHERS:

- ❑ Received Corporate Marketing and Market Access **Standing Ovation Award for 2019**
- ❑ **Received Solution Delivery Excellence Award**
- ❑ **Received Service Delivery Excellence Award**
- ❑ **Won second prize in Hackathon at Digital Health Day, Boston Scientific.**
- ❑ **Won 2 prizes in Ideathon at Digital Health Day, Boston Scientific.**
- ❑ **Awarded several times for outstanding contribution.**
- ❑ **Ideas selected in ImagineIt and got 60K Dollar funding to implement the same.**
- ❑ **Declared as “Star of the Month” 3 times in MOBILY Project of Accenture.**
- ❑ **Got Performance Award from Senior Manager of MOBILY Project with Accenture.**
- ❑ **Wrote lot of UNIX shell script to automate process in my project with TCS.**
- ❑ **Awarded with “On the Spot Award” for excellent commitment, dedication and effort shown in on-time and defect-free delivery to customer.**
- ❑ Received excellence certificate in Intercollege Paper **Presentation Competition on “CRYPTOGRAPHY AND FIREWALL” At IMSEC.**
- ❑ Participated in Intercollege **Full Night C Coding competition held at AKGEC.**
- ❑ Participated in workshop on **“Ethical Hacking and Information Security” at VITS.**
- ❑ Participated in various cultural activities and other competitions at school and college level.

- ❑ Presented a paper titled “Chatbot For Diabetic Patient” at EICC 2012 at GCET, Greater Noida.

ROBOTICS :

- ❑ Programmed IOT Devices in Boston Scientific like Raspberry Pi and Arduino using Python and C++.
- ❑ Worked as a Programmer of **Automatic Robots** for my team in “**ROBOCON-2010**” held at **MIT Pune** which is the “**Largest National Robotic Competition in Asia-Pacific Region**”.
- ❑ Awarded **1st Prize in Bridge Making** Competition in **MECH-FAIR’10** held at **IMSEC**.
- ❑ Awarded **1st Prize in SandhaaN ’11(Robotic Contest)** held at **IMSEC**.
- ❑ Planned and executed several troubleshooting activities in various **Robotics Events**.

Education - See where I spent time studying and gained early knowledge to prepare for my professional life.

Degree	University/Institute	Year	DIVISION
B.Tech (Computer Science engineering)	U.P.Technical University/I.M.S Engg College ,Ghaziabad	2012	I (71.02 %)
Senior Secondary	Mother Land Public School Shamli (C.B.S.E. Board)	2008	I (84.6%)
High School	Mother Land Public School Shamli (C.B.S.E. Board)	2006	I (82.3%)

Strengths

- ❑ Have an excellent quality of adapting to latest technology with Analytical, Logical and Innovative knowledge to provide accurate software solutions.
- ❑ Good analytical, problem solving and communication skills.
- ❑ Ability to design & develop BIG Data based solutions
- ❑ Ability to work in a team as a leader.
- ❑ Confident and Great attitude.
- ❑ Hard-working. Always ready and willing to learn new skills.
- ❑ Can mould myself according to the environment

Personal Details

Date of Birth : 10 May, 1990
 Sex : Male
 Father’s Name : Mr. Rajesh Kumar Jain
 Mother’s Name : Mrs. Sadhana Jain
 Present Address : 102, D Block, South City 2,
 Gurgaon.

Interest and Activities : Reading Blogs and Netflix.
Languages : English & Hindi

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Gurgaon
DATE: 24/6/2021

GUNJAN KUMAR JAIN