

## Madhav Kumar Jha

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### Summary

- More than eight year(s) of work experience in the IT/software industry.
- Expertise in data engineering, and building data pipelines for different data repository patterns like data lakes, data warehouses and data marts.
- Proven ability to design, develop and deliver robust, highly scalable and easily maintainable big data solutions on-premises and in cloud.
- Adept at business/client interactions for requirements gathering and products/services delivery.
- Persuasive and effective communicator with excellent relationship management, interpersonal and negotiation skills.

### Skills

- **Big data technologies:** Hadoop, Spark, Hive, Airflow, Sqoop, Oozie
- **Programming languages:** Python, Shell scripting
- **Cloud platforms:** Google Cloud, AWS, Microsoft Azure
- **Hadoop distributions:** Cloudera, Hortonworks
- **Version Control:** Github, Bitbucket
- **Development Methodologies:** Agile, Waterfall
- **DB:** Oracle, MySQL, InfluxDB
- **Dashboard:** Grafana
- **OS:** Linux/Unix, Windows
- **Domains:** Retail, BFSI

### Experience

- 1) **ANZ Operations and Technology Pvt Ltd, Bengaluru**, October 2021 – Present  
**Position: Senior Data Engineer**

**Project 1:** Build, maintain, enhance and optimize data curation framework on enterprise big data platform (EBD)

**Tools & Technologies:** Spark, Python, Impala, Hive, Oozie, Cloudera CDP

**Responsibilities:** Design, build and enhance data curation framework on the enterprise big data platform to deliver complete, accurate and reliable data for responsible banking projects

**Project 2:** Design, build and configure health checks alerting and monitoring framework on EBD

**Project 3:** Migration of Cloudera CDH to CDP

- 2) **Accenture Solutions Pvt Ltd, Bengaluru**, November 2019 – October 2021  
**Position: Application development specialist**

**Project Description:** Development of smart data mover to migrate schema and data

**Tools & Technologies:** Spark, Hive, mysql, Python, AWS, GCP, Cloudera CDP

**Responsibilities:** Designed, developed and integrated the backend data processing engine with UI

**Project Description:** Build express data pipeline

**Tools & Technologies:** Spark, Hive, Airflow, Python, AWS

**Responsibilities:** Design, build and configure big data applications on cloud to meet requirements of banking and financial services industry

3) **Xebia IT Architects India Pvt Ltd, Gurgaon**, May 2018 – October 2019

**Position:** Consultant

**Project Description:** Development of big data processing pipeline, datalake and data warehouses

**Tools & Technologies:** Hadoop, Spark, Hive, Airflow, MySQL, InfluxDB, Grafana, Sqoop, Google Cloud, Python

**Responsibilities:**

- Integrated disparate data sources
- Created ETL workflows
- Implemented enterprise datalake
- Done customer segmentations
- Set up dashboards for data quality monitoring and performance metrics
- Migrated on-prem data platforms to the cloud

4) **NCR Corporation India Pvt Ltd, Gurgaon**, August 2015 - July 2017

**Position:** Software Engineer

**Project Description:** Build big data processing platform

**Tools & Technologies:** Hadoop, Spark, Hive, MySQL, Sqoop, Python

**Responsibilities:** Set up an end-to-end data processing workflow from ingestion, transformation and enrichment to the final publish into the data marts

**Project Description:** Remote service management program to provide services remotely with capabilities including software distributions, remote actions, assets management and remote control

**Tools & Technologies:** CA ITCA, Oracle, Nagios, Linux

**Responsibilities:** Performed development, maintenance, upgrade and enhancements along with client and business interactions for end-to-end service delivery

**Project Description:** Management and monitoring solution to white-list authorized programs and applications, monitor unauthorized code execution and lock-down compromised machines

**Tools & Technologies:** McAfee ePO, Sql server, Nagios, Windows

**Responsibilities:** Performed development, maintenance, upgrade and enhancements along with client and business interactions for end-to-end service delivery

5) **CMC Ltd, New Delhi**, February 2015 - July 2015

**Position:** IT Trainee

**Project Description:** Development of an online restaurant portal

**Tools & Technologies:** Java, JSP, Oracle, HTML, XML, CSS

**Responsibilities:** Designed and developed the web application

## Education

- MBA (BPGP), IIM Ahmedabad, 2024-26
- B.Tech (CSE)