Dhiraj Rajendra Borse

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Marklogic/MongoDB Developer   Experience : 4.9+ years

SUMMARY

Overall 4.9+ years of experience in Information Technology. This period of experience includes the MongoDB, MarkLogic & Microsoft Azure development. Possess excellent professional skills to work independently and as a team member.

Primary& secondary skills are as follows :

- MongoDB : Expert level
- MarkLogic : Expert level (version 8,9,10)
- Apache NiFi : Mid level
- Microsoft Azure : Mid level
- Databricks: Beginner
- Python, NodeJS, Javascript : Beginner
- AWS cloud : Beginner

Technical skills

Operating systems	Windows, Linux
Programming languages	Javascript, Shell script
Database	MongoDB, MarkLogic
IDE	Eclipse, Visual Studio Code, IntelliJ
Repository	Github, Bitbucket
Cloud	Microsoft Azure
Others	Apache NiFi,Studio 3T, RoboMongo, Putty, WinScp

Academic profile

- B.E(Mechanical Engineering) – D.Y. Patil College of Engineering, Akurdi 2016(61%).
- 12th M. J. College, Jalgaon 2012(81%).
- 10th from Maharashtra State Board - St. Lawrence High School, Jalgaon 2010 - 83.4%

Professional Experience

- Worked for Tech Mahindra – from Dec 2016 to March 2019 as Software Engineer
- Working for Infosys – from March 2019 to present as Software Engineer.

Certifications

- Microsoft Azure : AZ-900
- M101JS: MongoDB for NodeJS developers.

Professional Achievements

- Achieved X ratings in fresher's appraisal.
- Was batch topper in Tech Mahindra's fresher's training.
- MongoDB experience consisting of – scriptwriting, aggregation operations, query writing,

CRUD operations, administrative work & BI connector.

Tech Mahindra Ltd. – Hinjewadi, Pune.
- Played an instrumental role as a MongoDB developer for an AT&T application in RAPTOR project.
- Successfully completed various deployments from MongoDB side for incremental changes in the application.
- Created and implemented optimization plan which included creating indexes (Compound, Sparse, TTL, MultiKey) on frequently used fields in the queries, removing unnecessary records and fields from the collection, removing duplicate records, embedding related documents to avoid joins etc.

- Wrote various scripts for changing data types, unsetting fields, purging to keep records for only few days etc.
- Wrote various aggregation queries for keeping only latest records, giving day/month wise login count & login percentage for a user, fetching data from two collections using joins, geospatial query for finding places within certain distance etc
- Wrote various find queries.
- Worked with web developers for understanding the requirements and creating and optimizing various find and aggregation queries.
- Ran compact on secondary server to reclaim disk space.
- Performed initial sync up on secondary to recover it from recovering state and free disk space.
- Created a 3 node cluster for ST environment and restored the old ST data in this cluster.
- Gave POC to application team for BI connector for MongoDB.

Project details

Project: RAPTOR

Client	AT&T
Duration	Feb 2016 – March 2019
Application Server	Linux
Database	MongoDB
Technology	Spark, Scala, Kafka, Java, Junit, maven.

Project Description:
Raptor is part of overall Service Assurance Innovation program. The objectives of the application are to:
- Keep customer informed proactively on the ongoing issues.
- Cost saving in terms of informing customer timely to reduce number of calls made to Contact centers

Responsibilities:
Performed following operations as a MongoDB developer for RAPTOR project:
- Configuration of replica sets, query creation and optimization, aggregation operations, indexing, database/collection backup and restoration.
- Developed multiple MongoDB scripts for purging, creating new collections by only keeping the latest records after grouping, updating date fields from string to ISO dates, flattening nested fields in a collection, updating collection by inserting date fields, creating backup of collections etc.

- Code/Script Reviews.

Client	ALSTOM
Duration	May 2019 – Dec 2019
Application Server	Linux
Database	MarkLogic 8
Technology	XQuery, XPath, REST API

Project Description:

The Project involved building an XQuery application that displayed all the details of the various parts manufactured or used by ALSTOM trains.

Responsibilities:

- Worked on building XQuery app for ALSTOM, which handled the product details of ALSTOM trains.
- Worked on complex cts:search queries, TDE, Data Modeling, Transactions and Triples.
- Worked on changing the json response to include the additional fields. Worked on XQuery, Xpath etc.
- Worked on implementing ETL flow using Apache NiFi.
- Used various NiFi processors like listenHTTP, invokeHTTP, Wait&Notify, getFile, fetchFile, logMessage etc for data ingestion and harmonization using NiFi.

Project: SMDP Events

Client	Microsoft
Duration	Jan 2020 – March 2020
Repository	Microsoft DevOps
Technology	Microsoft Azure, Azure Data Factory, Azure Databricks, Azure VM, Azure KeyVault, Azure Data Lake Storage Gen2

Project Description:

The Project involved collecting data from various sources to SQL DB and then pushing the data to ADLSv2 in avro format. After that using azure datafactory and azure databricks the facts and dimensions were created and the data was published in ADLSv2 and SQL DB.

Responsibilities:

- Understood the complete overflow of the project.
- Implemented ETL transformations using Azure Data Factory.
- Worked on removing the secrets from the Webjobs code.
- Understood and implemented the transformations using ADB notebooks.
- Monitored the ADF for failues and worked on finding the reason and solution for these failures.

Project: Tradestore-DH **(Current Project)**

Client	ABN AMRO

Duration	March 2020 – Present
Repository	Bitbucket
Database	Marklogic 9 & Marklogic 10(current version 10.0-4.2)
Technology & Tools	Marklogic, Xquery, XPath, Marklogic Data Hub 4.3, Apache NiFi, Bitbucket, Sourcetree

Project Description:
The Project involves working on ingestion & data harmonization of ABN AMRO trades and other banking transactions data. It also involves generating violation reports of daily trades and ingesting that data in specific collections.

Responsibilities:
- Understood the data flow of the project.
- Responsible for the data ingestion and harmonization of daily trades data.
- Worked on creating input flow,creating harmonization flow, mapping changes,creating entities, gradle tasks.
- Worked on TDE, custom content, cts:search queries, aggregation queries etc.
- Worked on changes in roles, users, indexing etc.
- Implemented Apache NiFi registry for version control.
- Worked on ingestion and harmonization using Apache NiFi.
- Worked on implementing apache NiFi flows using script processor.
- Moved Ingestion, Harmonization and extraction flows using gradle to NiFi.

Date of Birth: 10 March 1994
Nationality: Indian
Marital Status: Single
Hobbies: Reading and Swimming.
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