

Name: - Manish Shakya

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Objective: To work in a challenging and growth-oriented environment and striving to achieve expertise, use and develop my aptitude to further achieve the organization's objectives and also attain my career target to become a data scientist.

Summary:

- Around 3 years of experience in Banking & Financial Services as **Data Engineer** .
- Presently working as **Application Developer** in **Oracle Financial Services Software Ltd**, Responsible for developing Microservice based applications using Scala.
- Involved in creating Applications, Rest Apis based on **Microservice** architecture using **Scala** , **Spark** & **Spring Boot** .
- **Quantexa Certification** in **Data Engineering** using **Scala**.
- Worked in all the phases of SDLC (Software Development Life Cycle) of a project & have experience of Analysis, Design, Development, Implementation, Issue Fixing, Unit Testing, Integration Testing, Performance Tuning and Defect Prevention.
- Good exposure with Agile software development process.

Technical background & primary skills.

- **Technologies** : Big Data, Spark, Microservices
- **Languages** : Scala, Shell Scripting
- **Tools** : IntelliJ, Spring Tool Suite, SQL Developer, WinSCP, Putty, Jira, Bamboo, Maven, Git.
- **Development Methodologies** : Agile
- **Some Python Libraries** : Pandas, Numpy, Scikit-Learn etc.

Projects

Employer: Oracle Financial Services Software Ltd	Duration: 0.5 Years (Duration: Nov 2020 – present)
Designation: Application Developer	
Description: This Project is to develop several Microservice based applications, which will work together as a one Web Banking Application. Which will be used by Several Banks to distribute their funds /spending calculating the different types of Rates.	
Technology/ Tools Used: Scala, Spark, Spring Boot, Oracle SQL, Kubernetes, Oracle Cloud, SVN.	

Responsibilities:

- To Develop Microservices based Applications in Scala with the help of spring boot.
- To Write Logics for the backend engine to process the funds and to allocate the different types of rates.
- Migrated the existing applications which were written in C++ into Scala.
- To Develop different Rest Apis in Scala to Query the existing database.
- To Build the applications in kubernetes containers and deploy them in Oracle cloud.

Employer: Tata Consultancy Services Ltd

Role: Data Engineer

Project: Financial Anti-Crime Intelligence & Analytics

Client: Nordea Bank, Sweden

Duration: 2.5 Years (Duration: July 2018 – Nov 2020)

Description:

The project is to implement and support investigative application for financial crime detection, anti-money laundering and risk assessment. It provides a comprehensive view of the client by collecting data from different source systems and by scoring all the entities and networks. The application runs on Spark framework with Cloudera and MapR Distributions.

Technology/ Tools Used: Spark, Scala, Big Data, Elastic Search.

Responsibilities:

- Developed different **Spark-jobs**:
 - to Convert the CSV files into parquet files, using **Dataset** API and then providing a single view of class by giving them hierarchical structure, using **Scala implicits, Case** and **typed classes** etc.
 - to create **compounds (joining different columns)** to uniquely identify an **entity (real world object)**, using **Optics** in Scala, **traversals, lens, extractor** etc. and then dumping the data into **Elasticsearch**, later which will be used in **QuantexaUI** for investigation.
 - to create **UI scores** according to the business logics. And testing our scores using, **JUNIT** test cases, **FlatSpec** and **Matchers** in Scala.
- Developed Hive queries for applying Business logic and transformation as per the requirement and automated the same using OOOIE scripts in Hadoop ecosystem.
- Developed OOOIE coordinators for scheduling the jobs as per the business requirement (frequency and time).
- Developed **shell Scripts** to automate different jobs with **oozie**, which were used to copy the data from Cloudera to MapR.

QUALIFICATIONS:

Degree and Date	Institute	University	Percentage
BSC (H)-CS(2018)	DAV Institute of Management (Faridabad)	MDU	76.5%
SSC (2015)	Aggarwal Modern Sr. Sec. School (Faridabad)	HBSE	83.2%
HSC (2013)	Aggarwal Modern Sr. Sec. School (Faridabad)	HBSE	94%

Certifications:

1. Quantexa Technology Academy
2. IBM Data Science Professional Certificate
3. Data Visualization with Python
4. Data Analysis with Python
5. Machine Learning with Python.

Declaration

hereby declare that all the above particulars are true, complete and correct according to the best of my knowledge and belief.

Manish Shakya