

Pradyumna Rana
Total Exp: 10+ years

Email: pradyumnaranaml@gmail.com
Mob: 9663602742

Profile Summary

- Having around 10+ years of experience in Software Development and 4+ year as Data Engineer, Hadoop/Spark, Big Data Development.
- Having experience on designing and implementing complete end-to-end bigdata application using Hadoop ecosystem tools such as HDFS, MR2, Hive, Impala, Hue, Sqoop, Spark etc.
- Strong knowledge/working skill in Oracle Database (12c, 11g), Data Warehouse.
- Good in python programming language, Unix Shell Scripting, SQL
- Extensive programming experience in writing packages, procedures, functions, triggers, cursors, exception handling, collections and bulk operation.
- Extensive experience in Oracle performance tuning in Oracle 11g.
- Excellent troubleshooting techniques and debugging.
- Have experience in requirement gathering, analysis, development, testing and postproduction support cycles in SDLC.
- Have strong experience working in Snowflake cloud data warehouse (SaaS DWH).
- Have experience working with different AWS cloud services, have strong experience in Data Analytics services
- Having experience working on multiple domains such as banking, health science, insurance etc.
- Hardworking and quick learner always open to new ideas and suggestions.

Professional Skills:

Big Data and Cloud Technologies:	MapReduce, HDFS, Hive, Impala, Sqoop, YARN, Spark, Snowflake, AWS, Redshift, Athena, Docker, Kubernetes, IBM Cloud, IBM DB2 (Basic Knowledge – Spark streaming, Apache Kafka)
Languages:	Python, Unix Shell (Basic Knowledge – Scala)
Database:	Oracle (SQL, PLSQL)
IDE:	Hue, Spyder, Jupyter, Toad, WinSCP, PyCharm
Operating system:	Windows, Unix
Other:	SVN, AutoSys, Clear Case, TFS, Jira, Airflow, Git

Work Experience Summary

1	Worked as a Software Developer from Jan 11 to Apr 12 in Bajaj Allianz Life Insurance co. Ltd.
2	Worked as a Consultant from Jun 12 to Nov 14 in Capgemini India Pvt Ltd.
3	Worked as a Senior engineer from Nov 14 to Feb 21 in Harman Connected Services (Bangalore)
4	Working as a Senior Advisory Technical Services Specialist from Feb 21 to till date in IBM

Professional Experience:

Company	IBM
Client	IBM
Project Name	EPM
Duration	Feb 2021 to Jun 2021

Tools and technology	Pyspark, Python, Git, Docker, Kubernetes, Airflow, IBM Cloud, IBM DB2
Project Summary	This is an ETL pipeline using Pyspark to load data into data lake from various source system and then applying the necessary transformation, using data frame API and then finally loading it to the target as IBM DB2.
Responsibility	Some of the key responsibilities while executing this project are as listed below. <ul style="list-style-type: none"> Analysing and understanding the requirement. Coding and developing the modules in PySpark, Python. Deploying the code in cluster orchestrator as Kubernetes.

Company	Harman Connected Services
Client	PRA Health Science
Project Name	ETL pipeline for CVPP/CVPI/Novartis/Eversana deliverables.
Duration	Feb 2018 to Jan 2021
Tools and technology	Pyspark, Python, Hadoop, HDFS, Hive, AWS, Unix scripting, Oracle12C, SQL, Snowflake, Autosys
Project Summary	This is an ETL pipeline to build a data mart into Snowflake DWH which enables reporting for different deliverables. Data has been consumed by BI teams from Snowflake DWH for creating dash boards and reports.
Responsibility	Some of the key responsibilities while executing this project are as listed below – <ul style="list-style-type: none"> Analysing and understanding the requirement. Coding and developing the modules (batch processing) in Pyspark and other big data tools. Modelling Snowflake DWH, writing procedures to process data in Snowflake, loading data into/unloading data from Snowflake. Reviewing code of the team members and ensuring the quality and standards of deliverables.
Teamwork and communication	<ul style="list-style-type: none"> Working with 6-8-member team to plan and execute the work. Coordinating directly with client to gather the requirement.

Client	PRA Health Science
Project Name	Mediastat Extract
Duration	Jan 2015 till Nov 2017
Tools and technology	Pyspark, Python, Hadoop, HDFS, Hive, AWS, Unix scripting, Oracle12C, SQL, Snowflake, Autosys
Project Summary	Mediastat is analytics application provides insights into patient behaviour by following patients over time and examining behaviours of interest, such as Adherence and Source of Business. Persistency/Switching, Compliance, Medication Possession Ratio, Length of Therapy, One & Done, and Consumption.
Responsibility	Some of the key responsibilities while executing this project are as listed below – <ul style="list-style-type: none"> Redesigning the Mediastat extract application using spark and big data technologies, completing POC on the same and presenting to client. Coding and developing the project in Pyspark. Delegating the task among team members. Leading and mentoring the team. Reviewing code of the team members and ensuring the quality and standards of deliverables.
Teamwork and communication	<ul style="list-style-type: none"> Working with 6-8-member team to plan and execute the work.

	<ul style="list-style-type: none"> Coordinating directly with client to gather the requirement.
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Company	Capgemini
Project Name	Sola Horizon 2.0
Duration	Jun 12 till Nov 2014
Tools and technology	Oracle (PL/SQL, SQL), Unix shell scripting, TFS, SQL Developer, Toad, Putty
Project Review	SOLA Horizon is a planning and forecasting application developed to handle the supply chain management of Sony Electronics in Latin America. Operations in Sola Horizon include sales plan management, purchase order management, sales forecast, warehouse and dealer allocation, logistics management, inter country sales etc. This project is an advanced and extended version of the project Horizon 2.0
Responsibility	<ul style="list-style-type: none"> Gather Requirement and prepared Technical Document. Involve in coding, unit testing for making Test Cases. Involve in debugging PL/SQL objects SQL Performance tuning by using Index and Explain plan Involve in using advance features in Oracle 11g. Coordination for UAT and handling deployment activities. Experience in Unix Shell Scripting.
Teamwork and communication	<ul style="list-style-type: none"> Worked with 30-member team to plan and execute the work along with POC.

Company	Bajaj Allianz
Project Name	Policy Servicing and Cashiering
Duration	Jan 11 till Apr 12
Tools and technology	Oracle (PL/SQL, SQL), Unix shell scripting, Clear Case, SQL Developer, Toad, Putty
Project Review	Bajaj Allianz Life Insurance is a union between Allianz SE, one of the largest Insurance Company and Bajaj Finserv. Cashiering module used throughout PAN INDIA for collection of premiums from policy holder under cashiering different product specific validations was configured as per the terms and condition of the products. The customers pay policy amount for new premium, renewal premium etc for which we configure different types of accounting entries for different types of transaction and pay modes checking entries for receipts generated through cashiering module.
Responsibility	<ul style="list-style-type: none"> Developed modules using data base objects like (Cursor, Function, Procedure, Package, Collections, Triggers) and oracle Forms. Involve in coding, unit testing for making Test Cases. Involve in debugging PL/SQL objects SQL Performance tuning by using Index and Explain plan Experience in Unix Shell Scripting
Teamwork and communication	<ul style="list-style-type: none"> Worked with 10-member team to plan and execute the work along with POC.

Achievements and Awards:

- Have received twice Spot Award appreciation from Sony client.
- Have brief Onsite Experience to Mexico for UAT and GO-LIVE activities.

PERSONAL SKILLS

- Have competent communication skill.
- Have the ability to deal with different kinds of people and handling difficult situations calmly.
- Believe in group work rather than individualism.
- Always think positive which helps to deal all kind of situations in life.
- Have the interest to work on different technologies and quick learner.

PERSONAL DETAILS

Name	Pradyumna Rana
Sex	Male
Date of Birth	29th May, 1986
Marital Status	Married
Nationality	Indian
Languages Known	English, Hindi, Oriya
