

Shilpa Bhandari

Data Engineer/Data Analyst

Rockdale, 2216, Australia

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Professional Summary

- Experienced and driven Data Engineer/Data Analyst with expertise in SQL, Python, Pyspark, Scala, and Big Data technologies, including Hadoop. Skilled in data manipulation, analysis, and visualization for actionable insights.
- With 2 years of experience in this field, I possess a deep understanding of data analysis methodologies, big data platforms, and data visualization tools.
- Strong problem-solving skills and a passion for utilizing data to drive business decisions.
- Continuously seeking new challenges and opportunities to enhance technical skills.

Experience

Infosys

Sydney, Australia

Data Engineer/Data Analyst

02/2022 - 12/2023

Optus Account, Sydney

- Worked closely with cross-functional teams, such as business analysts, data scientists, and database analysts, to gather data requirements and ensure accurate data ingestion, transformation, and reporting.
- Big Data Integration: Utilized Apache Spark, Hadoop, Hive, and HDFS for scalable data ingestion and transformation, managing large datasets and ensuring optimal performance for big data processing.
- Performed ingestion and transformation using Oracle SQL, Jenkins, Putty, Shell-Scripts, Scala code, Teradata, Pyspark, Control-m, and Python.
- Created Control-m jobs to reduce manual efforts and set up daily/monthly scheduling to automate job runs.
- Documented all the steps in the Confluence wiki page and prepared data modeling sheets.
- Supported DevOps during pre-production and production deployments.
- Worked with cross-functional teams to define data architecture, big data storage, and data governance standards.
- Implemented and maintained data security and compliance measures to protect sensitive/PII data.
- Created dynamic and insightful Tableau & Power BI (DAX) dashboards, transforming complex datasets into visually compelling and interactive visualizations for data-driven decision-making.
- Added new attributes to source feeds in both BDP and EDW environments to enhance data quality and analytics.
- Experience with Hadoop ecosystem tools for managing and querying large datasets, including Impala for faster query execution.
- Analyzed and performed regression testing.
- Created dashboards such as Section 306, ACMA Coles & Catch, ACMA Visual ID, and Mobile Turbocharge, which assisted Optus in providing critical reporting to regulators.

Projects:

1. **Vlocity Data Integration in BDP (Data Engineer)**
2. **Section 306 (Data Engineer/Data Analyst)**
3. **Hyperion Saturn Extraction from BDP to EDW (Data Engineer)**
4. **Mobile Turbocharge (Data Engineer/Data Analyst)**
5. **ACMA Visual ID Tableau Dashboard(Data Analyst)**
6. **ACMA MFA phase 1C Coles and Catch Tableau Dashboard(Data Analyst)**
7. **Project Olive Redemption data for SKF Reporting(Data Engineer)**

Zurelsoft

Frontend Developer

04/2017 - 08/2018

Worked in projects like Time Card Web and ZurelTrax for the construction company that helped in making the workplace safe

- Hands-on experience in UI-Testing
- Used Node.js to install necessary packages into the project
- Analysed the project requirements and translated designer mock-ups into frontend code and integrated data using AngularJS
- Implemented code with API integration and handled API's JSON response to update the HTML view
- Created Responsive Web Design using Bootstrap and CSS
- Raised issues to the backend developers that were found during testing and made sure they were resolved
- Worked under senior AngularJs Developers, executed tasks that were assigned to me through Jira, and pushed the code to Github.
- Experience in working with Agile methodology and SDLC.

Education

Charles Sturt University

Port Macquarie, Australia

Masters in Information Technology(Data Science)

03/2019 - 06/2021

Kathmandu Engineering College

Kathmandu, Nepal

Bachelors in Computer Engineering

06/2012 - 12/2016

Skills

- ETL Tools: Jenkins, Bitbucket, Apache Spark, Control-m, Hadoop, Reporting Tools: Tableau, Power BI (DAX)
Hive, Impala, CI/CD
- Database: Oracle, Teradata
- Methodology: Agile with Jira tools, confluence
- Programming Languages: Python, Scala, Java, AngularJS, HTML, Javascript
- Scripting Languages: Bash
- System Administration Tools: Putty, Winscp
- Exposure: Azure, Databricks, UDP platform

Certifications/Appreciation

Databricks Certified Data Engineer Associate Certification

Insta Awards from Infosys for my primary work in Big Data Platforms

Projects

Search Fruits

Charles Sturt University, Port Macquarie

1. Objective: Used for detecting fruits from an image
2. Tools: Android Studio, Python, ngrok server
3. Duties: I built this application by using Android Studio, Python and for the server, I used a free server named ngrok server
4. Based on Object Recognition from Image Processing features
5. Outcome: Achieved a Distinction