

# Nikhil Jadhav

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## SUMMARY

Experienced Data Engineer with 7 years in the field, currently serving as a Technology Lead at Brose Group. Expertise in designing and implementing scalable data pipelines, with a strong background in leveraging AWS technologies. Proven track record of optimizing data processes and reducing operational costs. AWS Certified Solution Architect, adept at creating efficient, reliable data solutions to drive business insights and support strategic decision-making.

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## PROFESSIONAL EXPERIENCE

### Brose Group

July 2024 - Present

#### Data engineering Technology Lead

- Designed and implemented new streaming data pipelines to monitor and track the product lifecycle.
- Utilized PySpark on AWS Glue and Iceberg on AWS for efficient data storage and processing.
- Reduced infrastructure costs and operational overhead by optimizing and enhancing the performance of existing pipelines.

### Deloitte USI

MAR 2021 - July 2024

#### Consultant - Senior AWS Data Engineer

- Leading a team of 3 data engineers in designing and implementing a robust data pipeline aimed at enhancing the processing efficiency and accuracy of actuarial data.
- Utilized AWS Glue for data transformation and business logic application Integrated with a curated Redshift warehouse layer and an on-premises SQL-based data warehouse. We wrote the Data pipeline logic in Python(Pyspark) and Spark-SQL.
- Achieved a 90% reduction in processing time compared to the previous Excel-based approach

**Project Recognition:** Received **Applause Award** and **Spot Award** for technical expertise in delivering this project.

### Knowledge Lens: A Rockwell Automation Company

MAR 2019 - FEB 2021

#### Big Data Engineer

- **Designed and implemented a scalable data pipeline using Databricks(Pyspark) and ML** to process 20 TB of user feedback (text and audio) on drug adverse effects monthly.
- Project **Contributed ~\$75 million in value to the firm** by facilitating improved drug safety analysis through the data pipeline for client.
- **Utilized AWS Aurora as the data publication layer** to ensure efficient data access for analytics and visualization.

**Project Recognition:** This project was recognized as the most valuable within the firm.

### ESDS Software Solution

Aug 2017 - Aug 2018

#### Full-Stack Software Developer (jr. Data engineer)

- in an Indian government project created a workflow to automate daily calculations of water and air quality indexes for various Indian cities. This solution eliminated manual calculations. this resulting in a **75% reduction in processing time** and improved data accuracy.
- Developed a user-friendly government bid submission portal, increasing average bids per project by 20%.

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## SKILL

- Programming Languages: Python (Proficient), SQL (Expert) , Pyspark (Proficient)
- Cloud Platforms: AWS (**Certified Solutions Architect - Associate**) , **Databricks**
  - S3, EC2, EMR, Lambda, Glue, Redshift, EKS, DynamoDB, CloudFormation
- Big Data & Distributed Processing: Apache Spark , Apache Iceberg
- Data Warehousing: Amazon Redshift
- Data Pipelines & Automation: ETL/ELT Processes, AWS Glue, Airflow, Git

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## EDUCATION & CERTIFICATIONS

### Centre for Development of Advanced Computing (2019)

Post Graduate Diploma -Big data analytics

Relevant Coursework: Machine Learning, Data Science Statistics, Big Data Analytics

### Savitribai Phule Pune University (2017)

Bachelor of Engineering in Computer Science

