

Vijay Jawali

Flat 5, Ashcroft, Pritchatts Park, Edgbaston, Birmingham - B15 2QU • vijayjawali@outlook.com • 07856578832

<https://www.linkedin.com/in/vijayjawali/>

WORK EXPERIENCE

Societe Generale

Bangalore, India

Specialist Software Engineer

November 2021 – September 2022

- Developed fraud detection and financial data analysis applications on a private cloud environment, resulting in improved transaction security on SWIFT payment system.
- Upgraded banking data to ISO20022 standards in compliance with new regulations using Scala-based Spark application, resulting in a 40% reduction in processing time and improved accuracy.
- Implemented the use of Hive database for distributed data using advanced compression file formats, resulting in an 87% increase in storage efficiency.
- Created a suite of 55 reports within a span of two months to serve as a data source for PowerBI visualization, enabling valuable insights to be derived from a vast pool of data stored in a data lake.
- Demonstrated resiliency and structural consistency by performing disaster recovery tests and achieving 92% testing benchmarks on Hadoop production clusters.

Mindtree

Bangalore, India

Senior Engineer

October 2018 - November 2021

- Led the module migration from Mainframe to Cloud using Amazon S3, CouchDB and Postgres, resulting in a 20% reduction in data processing time with improved scalability.
- Created real-time data streaming applications using Apache Spark Streaming and Kafka that reduced data processing latency by 50%, enabling real-time decision-making for the business.
- Designed automated end-to-end data pipelines, leveraging 4 years of historical business data to validate data flow between components and eliminating manual intervention.
- Ensured data accuracy compliance across Legacy and cloud systems, leveraging the PowerBI visualization tool to achieve a targeted accuracy level exceeding 90%.
- Reduced testing time up to 60% by developing automated test scenarios and applying oozie orchestration flows to execute in Amazon EMR cluster.

TECHNICAL SKILLS

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|-------------|----------|--------------|-----------|
| • Scala | • Spark | • Amazon Web | • Neo4j |
| • Python | • Hadoop | Services | • MongoDB |
| • Snowflake | • Kafka | • Postgres | • GitHub |
| • SQL | • Oozie | • Cassandra | • Jenkins |
| • R | • Hive | • Couchbase | |

EDUCATION

University of Birmingham

M.Sc. Data Science

Birmingham, United Kingdom

September 2022 - September 2023

Sir M. Visvesvaraya Institute of Technology

B.E. Electrical and Electronics, Distinction

Bangalore, India

September 2014 - June 2018

CERTIFICATIONS

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| • <u>IBM Machine Learning Professional Certificate</u> | • <u>Python Programming Masterclass</u> |
| • <u>IBM Data Science Specialization</u> | • <u>Managing Big Data with MySQL</u> |
| • <u>Google Data Analytics</u> | • <u>Hadoop Platform and Application Framework</u> |
| • <u>Big Data Emerging Technologies</u> | |

AWARDS AND ACHIEVEMENTS

- Received “A-Team” Award from Mindtree Ltd, six times for collaborative team spirit.
- Awarded “Academic Excellence” in bachelor’s for securing Distinction in all semesters at first attempt.