Vibhavari Bellutagi

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SUMMARY

Data Engineering Leader with over 8 years of experience in designing and managing scalable Big Data pipelines and automation solutions. Proven ability to lead teams in delivering complex, high-impact projects that enhance efficiency and drive innovation. Committed to strategic planning, mentoring, and aligning technology with business goals to achieve outstanding results.

SKILLS

Big Data Technologies: Hadoop, Spark, Hive, Presto **| Programming Languages:** Python, Scala (with Spark) **| Data Collection Systems:** Kafka **| Data Warehouse:** Postgres, Redshift **| Cloud:** AWS **| IaaC:** Terraform **| CI/CD:** Jenkins | **API Development:** FastAPI (REST APIs)

PROFESSIONAL EXPERIENCE

Data Engineer   Sep '21 - Dec '24
Agile Lab   Aix-en-provence, France

- **Led a collaborative effort** with data engineers and scientists to implement advanced machine learning models in production, resulting in a **50% reduction in deployment time** and substantial enhancements to operational efficiency
- Streamlined ETL pipelines to enhance data quality for ML models, slashing data processing time by **60%** through the utilisation of **Apache Spark** and **AWS Analytics** services.
- Designed and implemented a comprehensive data pipeline using FlinkSQL & Kafka CDC connector to process 100s of GBs of diverse customer data, resulting in a substantial **75-80% decrease in update times for customer profiles.**
- Achieved **2-3 second query execution times** while ensuring GDPR compliance through precise anonymisation rules with Livy, Spark, and Presto, enhancing operational efficiency and data security.
- Spearheaded knowledge transfer sessions and developed a team Wikipedia on Confluence, streamlining onboarding and boosting **new member integration efficiency by 75%**.

Data Engineer   Sep '18 - Aug '21
Deloitte USI   Bengaluru, India

- Developed and executed a robust ETL pipeline using Hadoop, Spark, Hive, and Sqoop to process 30GBs of data daily, resulting in a **30% enhancement in data-driven decision-making**
- Created reusable orchestration workflows for end-to-end pipelines using the UC4 automation tool, leading to a ~40% reduction in the duplication of workflows.
- Enhanced ETL pipeline auditing efficiency by deploying comprehensive audit data logging, leading to a **40% decrease in issue detection and resolution time**, resulting in expedited troubleshooting and optimised system performance.

Software Engineer   Jul '17 - Sep '18
Attra Infotech   Bengaluru, India

- Strategised comprehensive solutions for analysing ~100k credit card transaction data during the initial Proof of Concept (POC) using tools like Hive, Sqoop, and HDFS.
- Implemented optimisation techniques such as partitioning, bucketing, & compression to automate Hive external table creation & enable dynamic data loading from HDFS, resulting in a 20% time savings.

Systems Engineer   Sep '15 - Jun '17
Infosys LTD   Hyderabad, India

- Involved in all phases of the Software Development Life Cycle (SDLC) for a mid-sized standalone application, focusing on requirement gathering, development, testing, and deployment using Java with Spring and Hibernate frameworks to enhance process efficiency.
- Proactively identified and promptly addressed application vulnerabilities, ensuring continuous enhancement and optimal performance.

EDUCATION

Bachelor of Engineering   Jun '11 - Jul '15
Sapthagiri college of Engineering   Bengaluru, India

CERTIFICATIONS

- Databricks Data Engineer Associate Certification | Databricks | June-2024
- AWS Data Analytics - Specialty | AWS | Dec-2023