Siddhartha Maity

Software Developer | Accenture | Apache Spark | Scala | PySpark | SQL Server | ETL | Big Data | AWS

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Summary

Software Developer at **Accenture** leveraging proficiency in **Apache Spark**, **Scala**, and **PySpark**. Successfully developed and optimized applications that reduced **data processing time by 80%** and improved client-facing applications' performance by **75%**. Streamlined SQL Server, MongoDB integration with Hadoop for **real-time data migration**, achieving **90% accuracy**. Skilled in **ETL**, **CI/CD**, and data analysis tools, driving significant enhancements in process efficiency and automation.

Skills

Programming Languages

Apache Spark | Scala | PySpark | SQL-server | Java | MongoDB | AWS | Hadoop | Unix

Data Analysis Tools

ETL process | Advanced Excel | Jenkins CI/CD pipeline | Autosys jobs | UAT | Production support | MySQL

Work Experience

Data Engineer, Application development analyst
Mar 2023 - Present

Accenture

- Enhanced **data processing** by addressing slow performance challenges through the **Spark** framework with help of Scala language, PySpark and Hadoop framework, achieving a **35%** reduction in processing time.
- Resolved performance issues by implementing **data cleansing** and **indexing** while using **SQL-Server & MongoDB**, boosting client application speed by **40%**.
- Engineered a **real-time Jenkins CI/CD** pipeline, addressing deployment inefficiencies, achieving **80%** data precision improvement while deploying **100+** packages.
- Transformed **manual data processing** into **automated solutions**, overcoming inefficiencies and reducing processing time by **70%**.
- Streamlined data delivery, overcoming a **20-hour** backlog, reducing completion time to **5-4 hours** with **Autosys jobs**.

Associate Software Engineer
Dec 2021 - Feb 2023

Accenture

- Streamlined UAT & regression testing, addressing bottlenecks, achieving a **60%** reduction in manual efforts and enhancing productivity.
- Improved data visualization efficiency **2x** using **Tableau** and Excel, automating **70%** of data monitoring processes to enhance data insights.
- Optimized documentation processes by mastering **JIRA** dashboard and **scrum framework**, achieving **99%** accuracy.
- Collaborated in a cross-functional team to enhance a data platform using **Apache Spark**, which increased user satisfaction by **70%** through improved data accessibility.

Projects

Investment Banking Application
Jun 2022 - Present

- Developed scala codes based on data extraction, transformation which initiated to help global 5,000+ clients, achieving **90%** accuracy and data visibility.
- Directed and guided team in the inspection by **65%** by integrating NoSQL with MongoDB, addressing data transfer inefficiencies.
- Identified & Coordinated challenges in data analysis, Facilitated **visualization techniques**, achieving **70% revenue growth**.
- Executed data transformations with **AWS** and **PySpark using Databricks** to overcome decision-making delays, enhancing efficiency by **70%**.

Achievements

- Achieved **Top 10** out of **500** in the **All-Star Awards FY23** at Accenture, showcasing remarkable **innovation** skills.
- Gathered **data engineering** skills through **Microsoft's Introduction to Data Engineering** training, addressing skill gaps and improving **application development** efficiency by **70%**.
- Awarded **Top 2** of **20** for **Ownership & smooth delivery skills** from Client (Nomura).
- Acquired **Java expertise** via **Accenture's Tech Expressway Program**, mastering data structures and algorithms, and completing **10+** coding challenges focused on data engineering principles.

Education

B.Tech in Electronics and Communication Engineering

ST. THOMAS' COLLEGE OF ENGINEERING & TECHNOLOGY - KOLKATA   CGPA: 9.42