Subash Manikandan

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**Professional Summary:**

Results-driven System Engineer with over 3 years of experience in managing and troubleshooting critical production systems in the BFSI sector. Proven expertise in **incident management**, **SQL-based data analysis**, **Unix/Linux system operations, AutoSys job scheduling**, and **performance optimization.** Adept at ensuring system reliability, minimizing downtime, and streamlining workflows for seamless business operations.

Currently transitioning into a Data Engineering role, expanding expertise in **Python, PySpark and Apache Airflow** to design and **automate scalable ETL pipelines** and **data workflows**. Passionate about leveraging big data technologies to drive data-driven decision-making and operational efficiency.

**Professional Experience:**

**System Engineer May-2022 to Current**

**Tata Consultancy Services**

* Managed **UNIX/Linux systems**, including file system operations, user permissions, and system performance monitoring to ensure seamless operations.
* Extracted, analyzed, and validated business-critical data using **SQL** queries, **supporting data-driven decision-making.**
* Worked with **HDFS, Hive**, and **Impala queries** to analyze large datasets and **executed Spark queries in Databricks** to extract and process data efficiently.
* Automated repetitive system tasks by developing and scheduling **Bash scripts and Cron jobs**, improving efficiency and reducing manual effort.
* Maintained and optimized **AutoSys job scheduling**, monitoring execution, initiating jobs, and troubleshooting job failures.
* Monitored and resolved **ETL pipeline issues** using **Informatica Monitor**, ensuring data accuracy, consistency, and timely processing.
* Implemented proactive monitoring systems in Azure Data Factory to ensure the smooth execution and reliability of data pipelines.
* Created and maintained **process documentation, troubleshooting guides**, and incident reports in **Confluence and Jira**, improving knowledge sharing.
* Collaborated with cross-functional teams to enhance system reliability, operational efficiency, and incident resolution processes.
* Utilized ServiceNow for ticketing, incident tracking, and SLA management, ensuring prompt issue resolution.
* Provided **24/7 support** for **critical production systems**, ensuring high availability, minimal downtime, and **rapid incident response**.

**Education:**

Bachelor of Engineering (**B.E**) | **CGPA- 8** **2017-2021**

Panimalar Institute of Technology, Chennai

**Skills:**

**Programming Languages:** Python (including Pandas, NumPy, PySpark)

**Big Data & Distributed Computing:** PySpark, HDFS, Hive, Impala

**ETL & Workflow Orchestration:** Apache Airflow, Azure Data Factory

**Databases & Query Languages:** MySQL, SQL, HiveQL, Impala SQL.

**Job Scheduling & Automation:** AutoSys, Bash Scripting, Cron Jobs

**Cloud Technologies:** AWS (EC2, S3, Lambda, Glue, Redshift), Azure (ADF, Synapse)

**Data Processing & Analysis:** SQL queries, Data Wrangling, Feature Engineering

**Monitoring & Logging:** Informatica Monitor, Azure Data Factory Monitoring, ServiceNow

**Version Control:** Git, GitHub, GitLab

**Data Visualization:** Power BI

**Professional Certificate:**

**Microsoft Certified: Azure Administrator Associate** [View credentials](https://learn.microsoft.com/api/credentials/share/en-us/SubashManikandan-6572/AC150677F8471E25?sharingId=9FD4B86F694DEC9F)

**Microsoft Certified: Power BI Data Analyst Associate** [View credentials](https://learn.microsoft.com/api/credentials/share/en-us/SubashManikandan-6572/932990A49901122B?sharingId=9FD4B86F694DEC9F)