

Arun Shanmugasundaram

Mobile: +65-9133 0300 **E-Mail:** arunshan04@gmail.com **Location:** Singapore

Professional Summary

- Production support professional with **6+ years** experience in supporting data warehouse and big-data application.
- Overall **12+ years** experience in developing and supporting various data warehouse and BI analytical applications.
- Experienced in supporting **Big data Analytical and real time stream processing systems**.
- Excellent understanding of **Hadoop architecture** and various components of hdfs, yarn high availability and scalability setup.
- Good Understanding in **containerized applications and micro-services** running in scalable platforms and high availability setup architecture.
- Proficient in writing **SQL and No SQL** database Queries.
- Strong knowledge on **Linux distribution and platform architectures**.
- Completed **Linux Professional Institute(LPI-1)** certifications.
- Expertise in **creating tool** sets and **Real time dashboards** to ease the daily and repeated work.
- Good Exposure on the IOT devices like Arduino and Raspberry Pi boards.

Tech Skills

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| • Distributed System | : Cloudera Hadoop (CDH5.8, CDH6.2) |
| • Data processing frameworks | : mapreduce, hive, impala, spark, pig, Sqoop, Talend |
| • Messaging system | : Confluent Kafka, Reds pub/sub, Solace, RabbitMQ |
| • Data Analytical Libraries | : pandas, numpy, matplotlib, seaborn |
| • Scripting Tools | : python, Bash scripts, Java scripts |
| • Databases | : Teradata, Mysql, Oracle, SQLite, Hive |
| • NoSql Databases | : Mongo DB, Hbase |
| • Schedulers | : Autosys, Apache Airflow |
| • Web Framework | : Django, Flask |

Experience

Production Support Engineer	Citibank, Singapore 2017- Present
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Responsibilities:

- Presently working as a technical expert for the Big-data Enterprise analytical platform(EAP) at Citi production support for the APAC and EMEA regions.
- Analyzing daily batch critical issues and online service related issues and providing quick work around to continue BAU.
- Providing quick work around for the critical service and high business impacting incidents.
- Responsible for providing post mortem analysis and documentation for the MIM.
- Identifying design gaps or loop holes in the application pipeline and engage L3 for further fix or optimization.
- Ensuring batches and downstream hand-off are completed with in SLA and online service availability in green.

- Identify the gaps in application scalability or high availability or security and engage the relevant support team for further action.
- Running scheduled COB Test/Volume test and ensure COB is certified.
- Participating in PRA call with application team to understand the business expectations and to plan the infra changes.
- Ensuring all the servers having adequate capacity interns of memory, CPU and space to support BAU activities.
- Reviewing cloudera parcel upgrades and fallback plans with infra support.
- Managing support team from on-site and offshore.
- Documenting critical and recurring issues and Ensuring run books are documented properly for all the productions applications.
- Running weekly walk thru call with L3 or infra support team to track progress on L3 fixes or infra level service issues.
- Reviewing all the weekly changes and fallback plans before implementation, Ensure all the changes are implemented without impacting BAU.
- Created internal tools and dashboards to keep all the services in the real time monitoring.

GDLM Support Responsibilities:

Citibank, Singapore 2013- 2016

- Batch and Defect Management on UAT and Pre Prod environments.
- Ensure all the UAT workloads and downstream hand-offs are completed with in SLA.
- Validate the data quality report and ensure data ready UTT testing.
- Tracking new deployments and identifying the performance changes to the BAU system.
- Engage application leads to fix the daily UAT abends and continues tracking.
- Running defect Triage call with UTT team and engaging relevant application team for further action.
- Publish SLA report for the daily batches and incidents at regular interval.
- Managing support team from on-site and offshore.

Data Warehouse Developer Responsibilities:

Meijer Inc, 2009-2012

- Developed various DWH applications on Mainframe with Teradata.
- Built a replenishment algorithm to calculate the replacement factors across the Meijer stores in united states.
- Created automation framework to convert various COBOL programs to DB2 based stored procedures using REXX programs.
- Worked on various IMS and Adobe database conversion projects in mainframe.

Employment History

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| • Tata Consultancy Services Pvt. Ltd | 2013 - Present. |
| • HTC Global Services | 2008 - 2012. |

Additional Details

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| • Education | Bachelor of Electronics and Communication Engineering. (2004-2008) , Anna University, India |
| • Work Visa | Singapore - Employment Pass |
| • Certifications | Linux Professional Institute(LPI) |