# PRIYADHARSHINI SURESH

## Big Data Developer

Multi-faceted, efficient & reliable Big Data professional with nearly 6 years of experience in Big Data, AWS Cloud and Data warehousing.

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## WORK EXPERIENCE

### Associate - Projects
**Cognizant Technology Solutions**

*05/2016 - Present*                                    *Chennai, India*
*Activities/Tasks*

- Skilled in understanding and analyzing project requirements by preparing business requirement document, developing scripts in Spark/Scala and validating the required dataset.
- Responsible and reliable team Lead, focusing on project delivery by aligning with the team's needs.
- Designed, implemented, and supported data ingestion using Sqoop and shell scripts.
- Managed the migration of existing Informatica approach into big data platform by analyzing data, developing Spark/Scala code and scheduling jobs in Oozie.
- Worked on Informatica IDQ and Informatica Analyst tool - created logical data objects, rules, profiles, scorecards for the required business logic. Validated the data and scheduled the jobs in Redwood.
- Familiar to Data warehousing tools like SSIS, SSAS. Worked using SSMS for Sybase to SQL migration.

## PROJECTS

### TBDP Funded Projects
- Leading the offshore team; Handling multiple projects simultaneously, delegating tasks to the team members, overseeing and completing project goals on the estimated time line. Interacting regularly with client team to align on requirements and solutions.

### USMCA (US-Mexico-Canada)
- Leading the offshore project team in integrating data from more than 10 different sources into the required transformation and integration layer jobs.

### TBDP AWS Cloud migration
- Worked on migration of almost 100 existing applications in Toyota Big Data Platform into AWS Cloud by using Spark and Scala.
- The existing (on premises) were on Hadoop, hive clusters which were migrated to AWS. Moved to Athena tables and spectrum tables using Databricks jobs.

### Integrated Revenue Management
- Integration of data sources into one cohesive data mart, generated valuable predictive analytics using complex analytics models and gave strategic insights via scenario enabled excel based tools.
- Created, modified and automated more than 50 PySpark scripts for loading and transformation of data. Structured Hive queries for table creation and unit testing. Job schedules using Oozie scheduler.

### Lexus Offline Reporting
- Generated offline reports from survey vendors and moved the current USS oracle platform to Toyota Big Data platform.
- Used Sqoop scripts to transfer data from Oracle to HDFS. Written code in Scala and spark to generate the reports, hive scripting for creating tables.

## SKILLS

Big Data · Spark · Scala · AWS Glue · AWS EC2 · Athena · AWS S3 · Redshift · Databricks · PySpark · Hadoop · YARN · Spectrum · Hue · Hive · Impala · Sqoop · Informatica IDQ · Shell Scripting · GitHub · SQL · SSMS/SSIS/SSAS · WinSCP · Unix

## ACHIEVEMENTS

### Appreciation Received
*Quoted by TBDP Big data manager(onsite) - "I've shared this earlier too. Priya on USMCA project is doing a phenomenal job as a TBDP lead. She is asking right questions, proposing design solutions and just like below pushing back on incorrect practices. I'd like to appreciate her for being a good steward of TBDP practices and doing the right thing as Lead. She is truly an asset to our team and we need many more to follow her. Please don't lose her out at any cost."*

## LEARNINGS

### BIG DATA SPECIALIZATION (2018)
*University of California, San Diego (Coursera)*

### B2 BUSINESS VANTAGE, CAMBRIDGE ENGLISH (2015)
*Certified by British council and obtained Business English Certificate.*

## EDUCATION

### B.E., RMD Engineering College (2012 - 2016)
*Electronics and Communication Engineering with CGPA of 7.85*

## LANGUAGES

**English**
*Full Professional Proficiency*

**Tamil**
*Native or Bilingual Proficiency*