



# RAVI SHARAN

Data Engineer

## PERSONAL INFO.

### Address

SP Complex, New Town, Kolkata,  
West Bengal 700156.

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### Email ID

[sharanravi954@gmail.com](mailto:sharanravi954@gmail.com)

### Date of Birth

2<sup>nd</sup> Sep 1993

### Known Languages

Hindi  
English  
Bengali

## EDUCATION

### Bachelor Of Technology

**Branch:** Information Technology

**Passing Year:** 2015

**College:** Bengal College Of  
Engineering And Technology

**University :** Maulana Abul Kalam Azad  
University Of Technology

### 12<sup>th</sup>, CBSE Board

Premalok Mission School

Passing Year: 2008

### 10<sup>th</sup>, CBSE Board

AVN English School

## PROFESSIONAL SUMMARY

Ravi Sharan has an expertise in Data Engineering having close to 6.5 years of technical experience in designing, development and implementation and reporting Data Models for corporate information assets.

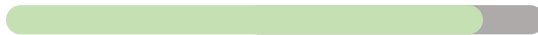
He has been supporting the clients with his new creative solution in complex problems. On the personal level he is someone who fits well culturally and hit the group running. Currently he is in a phase of developing himself from Data Engineer to Data Scientist.

## TECHNICAL SKILL

### PL/SQL



### Databricks



### PySpark



### Spark SQL



### PGSQL



## TOOLS & TECH

- Databricks
- HVR
- Talend
- Airflow
- AWS S3 / RDS
- Greenplum
- Git Hub/Tortoise SVN
- Putty

## TCS

**Project:** GE Digital – Finance Data Lake (Databricks)  
**Role:** ETL Developer (Team Lead)  
**Project Type:** ETL Conversion  
**Technology:** Rally, GitHub, Databricks, Green Plum 6.X, Talend 7.3, HVR, AWS S3, PL/pgSQL, Python, Pyspark, SparkSQL

**Project:** GE Digital – Finance Data Lake Ingestion  
**Role:** Tech Lead  
**Project Type:** Data Ingestion  
**Technology:** Aha, Box, SVN, Green Plum 6.X, Talend 7.3, HVR, PL/pgSQL

## PROFESSIONAL EXPERIENCE

**Timeline:** March,2021-till date

- Determine organization needs and identify business requirements in form of User Story.
- Carrying out impact assessment of the user story and discussing across the components.
- Discussing the high-level design with all stakeholders keeping all impacted components in scope.
- Carrying out E2E Design and establishing the new interfaces between systems for the integration, including conceptual, logical, and physical data models.
- Design the Reporting Solution to serve reporting needs across the organization including Self Help and operational reports along with Interactive Dashboards.
- Design and developing data pipeline for building Finance Data Lake using ERP, Workday and Travel sources using PySpark.
- Explaining system architecture to Development team and assisting them throughout the development and implementation process. Help and resolve technical problems as and when they arise.
- Planning and distributing tasks to the team using Rally
- Track development and implementation of assigned task and guide follow team members.
- Carry out validations to ensure correctness of solution implemented.
- Ensure quality standards and procedures are followed in every step of delivery cycle.
- Leading the team in developing and maintaining the Data Lake and Data Warehouse.
- Ensuring data governance rules are being followed
- Helping the governance team in setting up row level security
- Developing ETL's in python notebooks using PySpark and SparkSQL
- Developing data pipelines in notebook for data orchestrations
- Architecting, building, and maintaining cost-efficient, scalable cloud environments for the organization.

**Timeline:** Jan,2019-Feb 2021

- Assessing organizational needs and business requirements in form of Features in Aha Portal.
- Impact assessment of user stories and discussing across the components.
- End to End design discussion with business for data ingestion considering analytics.
- Carrying out impact analysis across the data lake for all impacted components in scope.
- Preparing functional mapping, dataflow, and process flow document.
- E2E Designing and establishing the new interfaces between systems for the integration, including conceptual, logical, and physical data models.
- Covering the design processes required for Design Board Presentation, Architecture approvals, and governance approval and other review processes.
- Planning and distributing tasks to the team using Aha portal.
- Leading the team in developing and maintaining the Data Lake and Data Warehouse.

- Developing data pipeline for building Finance Data Lake using different ERP sources using pre-existing ETL framework.
- Ensuring development team is following exact functional implementation.
- Ensuring on-time and within budget delivery.
- Interaction with audit team for setting up identity checks for accurate data movement through designed ingestion process.
- Defining data validation techniques to validate data across different modules of DWH with source.

**Timeline:** June,2017-December,2019

- Close interaction with clients and its representatives to understand and record requirements.
- Translating customer requirements into system specific functional document.
- Source Data Extraction from legacy system as flat file and data loading for transformation followed by Data Profiling and Data Quality checks through various test scripts.
- To create logical and physical data model.
- Cleansing and transforming data using scripts for further workday integration.
- Creation of High- & Low-level Solution Design documents and Data Flow Diagrams.
- Interacting with development team and reviewing ETL design and implementation Strategy.
- Reviewing implementation for compliance as per system standards.
- Designing and defining technical analysis mechanism for data validation across different modules from source to target.

**Timeline:** June,2016-May,2017

- Worked as a team member involved in end user support.
- Worked closely with the client and its representatives to clearly understand and record customer requirements and business rules.
- Providing customers with resolutions by performing customizations in addition to standard working process of ERP.
- Worked on packages, procedures, functions, event-based triggers etc for business process enhancements.
- Identification of existing bugs in the system and working towards its remediation.
- Ticket resolution for client and end users for smooth conduct of business.
- Involved in query optimization for performance improvement.

**I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.**

**Place:** Kolkata

**Date:** November 2022

**Signature:** Ravi Sharan

**DECLARATION**

**Project:** GE Digital – KUMO Data Migration

**Role:** ETL Developer (Team Lead)

**Project Type:** Data Conversion

**Technology:** Rally, GitHub, Oracle DB, Kenexa, Workday PL/SQL Developer, PL/SQL, SQL

**Project:** GE Oil & Gas – Oscar DevOps

**Role:** Developer

**Project Type:** Support (DevOps)

**Technology:** ServiceNow, Oracle EBS 11i, Oracle DB 11g, PL/SQL Developer, PL/SQL, SQL