

# Barathi Raj Venkatesan

## Senior Data Engineering Analyst

Proactive and results-driven Data Engineer with 6 years of solid track record of enhancing and expanding the existing data delivery platform in Oracle and Hadoop. Excellent reputation for resolving problems and improving client satisfaction.

### Contact

#### Address

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### Skills

SQL



Hive



Spark



Scala



### Work History

2022-04 –  
Current

#### Senior Data Engineering Analyst

*OptumInsight India (Formerly ABCO India), Chennai, Tamil Nadu*

- Involved in SparkSQL/Scala code change request based on the client requirement and new client implementations.
- Worked with AWS services like S3, Athena, Step Function, EMR, EC2 and CloudWatch.
- Involved in investigation of data issues by connecting Hive schema and resolved within the fixed timeline.
- Mentored and trained two new data engineers on the product workflow and day-to-day tasks.
- Led Daily standup meetings.

2019-04 –  
2022-03

#### Data Analyst

*OptumInsight India (Formerly ABCO India), Chennai, Tamil Nadu*

- Involved in Oracle ETL code change request based on the client requirement.
- Converted the existing Oracle ETL pipeline to Hadoop through SparkSQL.
- Developed/updated the Scala and SparkSQL code per client requirement.
- Involved in unit testing of both SparkSQL and Oracle scripts

2016-09 -  
2019-03

#### Associate Data Analyst

*ABCO India Pvt Ltd, Chennai, Tamil Nadu*

- Handled data load process for clients using SQL server.
- Translated requirements provided by BAs from the functional aspect into technical and integrated them into the existing SQL scripts with complete ownership.
- Efficiently handled data load for 20+ clients with an average turnaround time of 4 days.
- Involved in investigation of data for the queries raised by the client.

## Project History

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### **Project # 1 Crimson Population Risk Management (CPRM) [Period: 2016-09 to 2019-09]**

CPRM is a Health care project that helps hospitals to manage total cost and quality for defined populations. Total Amount spend for per member per month (PMPM) across 12 months plan is calculated and compared against the Benchmarks to find the discrepancies in the amount paid/allowed. Hospitals are regularly advised on the Benefit plans which help the patients/members generously in terms of co-pays and visits caps. This also includes the self-employee plans. Predicts and informs risk-based contract negotiations with payers.

### **Project #2 Optum Performance Analytics (OPA) [Period: 2019-09 to Present]**

OPA is a health care project which unify clinical and financial analytics to improve outcomes. Used to predict risk, improve clinical and financial performance. Increase efficiency and strengthen relationships with patients and health plans. It brings together clinical, claims and socioeconomic data to support the best possible quality and cost outcomes. Used to identify opportunities and patterns in the patient populations and networks, uncovering pockets of risk others would miss. This enables to prioritize and coordinate the actions that can be taken to improve future outcomes.

## Education (2012 – 2016)

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**Computer Science and Engineering (B.Tech)**

*SRM University - Chennai*