

# Rudraksh Kawadkar

Big Data Developer | Banking Service

SCB | Accenture Solution PVT LTD

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## Work Experience

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### Big Data Developer

May 2023 - Present

Accenture Solution PVT LTD

- Requirement gathering from the **Data Modelling team** to map the source data.
- Preparing the **source data table** from the input source based on the **source mapping document**.
- Cleaning up the source table data, performing the unit testing for source data validation and then performing the **data ingestion**.
- Requirement gathering from the Data Modelling team to **map the transformation data**.
- Creating the target table based on the transformation mapping.
- **Unit testing for the target table** to **validate the transformation**.
- Coordination with the testing team to resolve the defects based on the source table and the target table.
- Worked on the **HiveQL** for unit testing.

### Data Engineering Analyst

October 2021 - April 2023

Amazon Development Center India PVT LTD

- Extensive experience in **Big Data Analytics** for satisfying marketing campaigns.
- Good knowledge of **Spark Architecture and its ecosystem**.
- Having extensive knowledge of the **PySpark Framework** in storage, writing queries, processing, and data analysis.
- Imported information from different sources such as **AWS S3** and converted them into **Spark Dataframe** for analyzing data.
- Worked on various file formats like **Parquet, CSV, Delta Lake**, etc to import/export data.
- Experience in optimizing the **Spark Jobs** and **SQL Queries**.
- Improved query performance by applying various **spark optimization techniques**.
- Experience knowledge of working with **Hive**.
- Good knowledge of business process analysis, performance measurement, and quality.
- **Cleaning, Pre-import Validation & Data Analysis** through **Pandas** to predict and forecast the outcome for the business, and complete market research by applying the data aggregation and graphical representation using **Matplotlib** and **Seaborn**.
- Numerical Analysis using the **NumPy** for the given dataset.
- Quick learner and up-to-date with industry trends, excellent written and oral communication. Analytical and problem-solving skills, good team player, ability to work independently, and well organized.
- Awarded the **"Best Employee of the Year"** above and beyond performance during the Financial Year 2020.

# Work Experience

## Sr Ecommerce CS Associate

August 2018 - September 2021

Amazon Development Center India PVT LTD

- Analyze customers' feedback to understand areas for improvement and present the findings to senior management.
- Analyze risks with different approaches to business process change.
- Develop business process improvement solutions to enhance customer service operations.
- Develop service quality processes.
- Develop staff using capability development interventions and on-the-job training.
- Identify customer service channels and solutions for managing customers' concerns.
- Resolving customers' concerns.
- Monitor responses to customer requests and queries to minimize gaps in customer service delivery.
- Organize communication and sharing sessions on good work practices.
- Organize the customer contact database.
- Propose creative methods to improve business processes.
- Recommend training and development courses for staff.
- Research on customer needs to improve customer relationships and experience.
- Supervise order processing and order fulfillment.
- Support audit surveillance on service quality process flow.
- Update service quality process flows according to changes in standards and certifications.

## Software Developer (Android)

September 2016 - February 2018

Emorphis Technologies PVT LTD

- Design and build applications for the Android platform.
- Collaborate with cross-functional teams to define, design, and ship new features.
- Work with outside data sources and APIs.
- Work on bug fixing and improving application performance.
- Continuously discover, evaluate, and implement new technologies to maximize development efficiency.
- Help maintain code quality, organization, and automation.

## Technical Skills

- Programming Languages - Python, SQL
- Big Data Technologies - Spark, PySpark, Hive
- Data Processing & Visualization - Numpy, Pandas, Matplotlib, Seaborn, Plotly
- Cloud Services - Azure Data Bricks, Amazon S3, Amazon EMR
- Application Servers and Frameworks - Jupyter Notebook, SQL Server Management Studio, WinSCP, FDP
- Operating System - Windows 10

## Education & Certification

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|-------------------------------------|-----------|
| • Masters of Computer Application   | 2013-2016 |
| Devi Ahilya University, Indore      |           |
| • Bachelors of Computer Application | 2013-2016 |
| Devi Ahilya University, Indore      |           |
| • High School Examination           | 2007-2009 |
| MP Board of Education, Indore       |           |
| • Secondary School Examination      | 1995-2007 |
| MP Board of Education, Indore       |           |

## Soft Skills & Abilities

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- Effective communication and negotiation skills.
- Exploratory Data Analysis.
- Project Management & Process Optimization.

## Rewards & Recognition

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- Individual Excellence Award -  
For consistent performance as a Software Developer.
- Employee of the Year Award -  
Excellent performance during the financial year 2020.

## Projects

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### SCB Data Factory

**Client : SCB | Accenture Solution India PVT LTD**

#### Data Ingestion :

- Data ingestion from source system to get the source input files.
- Data cleaning and preparing the metadata for the source table based on the source table mapping document.
- Uploading the metadata to edge node server (remote server).
- Refreshing the HDFS path using shell command for source table and then running the shell command for ingesting the data into the source table.
- Performing the Unit Testing post successful ingestion and then preparing the unit test case documents for the testing team.
- Handling the jira defects based reported by the testing team.

#### Data Transformation :

- Preparing the transformation metadata table based on the transformation table mapping document.
- Uploading the transformation metadata table to the FDP (Metadata Management) Portal which generates the JSON file for that table.
- Performing the JSON Automation for the regional file (when there are multiple regions) to replicate the JSON for all the regions using the shell command (if the file is global file, we don't perform the JSON Automation).
- Performing the unit testing post successful generating the JSON file using the shell command.
- Preparing the unit test case documents for the testing team.
- Handling the jira defects reported by the testing team.

### Amazon Client Transaction and Customer Purchase History Analysis

**Client : Amazon Retail | Amazon Development Center India PVT LTD**

- Most of the sales came from Budget older families, mainstream young singles/couples and mainstream retirees.
- The higher sales in the case of the mainstream category are due to higher customers in retired and young single/couples. But the same is not in the case of the budget category, as older singles/couples have the highest customer proportion in budget but the sales are higher in the case of budget Older families.
- Older families and Young families buy more chips per customer.
- The largest size is 380g and the smallest size is 70g.
- The number of transactions(sales) kept on increasing till 24th December 2018 and then there is a break in the graph on 25th Dec 2018. The break is due to the day being a Christmas day on which shops and all remain closed and therefore there were no transactions(sales) on that particular day.

## Get in touch!

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