



# PARTHA SARATHI BARMAN

## AWS Data Engineer at TCS

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### PROFILE

Cloud Data Engineer with demonstrated history of working in the information technology and financial services domain. A flexible, pragmatic, and collaborative team player with innate ability to engage with tech-architects, cross-functional teams for implementing project requirements in a fast-paced agile environment.

### EDUCATION

- **B. Tech** Mech Engg | 2013 - 17 | **University:** MAKAUT | **CGPA:** 8.24
- **12<sup>th</sup>**, Science | 2012 - 13 | **University:** ISC | **CGPA:** 89.75 %
- **10<sup>th</sup>**, PCM | 2010 - 11 | **University:** ISC | **CGPA:** 92.80 %

### WORK EXPERIENCE

#### Tata Consultancy Services (Role: AWS Cloud Engineer)

[Oct 2022 – Present] | Location: Kolkata

- Currently working as an AWS Cloud Engineer for migrating applications running on AWS Cloud Platform in development and QA environment through CI / CD pipelines using Jenkins.
- Wrote and maintained custom scripts to increase system efficiency and performance time.
- Enhancing and maintaining exiting data pipelines

#### Infosys Limited, Bengaluru (Role: AWS Data Engineer)

[Feb 2019 – Sep 2022] | Location: Bengaluru

- Built data pipeline to extract data that would interact with elastic search DB, postgres DB, Kafka, log parsing, transforming them into CSV, JSON formats, load them into redshift tables.
- Used Kibana Dashboard for viewing of Elastic Search Data.
- Built a data pipeline to extract data from Postgres database (using boto3, psycopg2) to extract data using SQL query, uploading to S3 bucket, and writing data to a source Redshift Table.
- Developed an email notification using Python Script using AWS SES SMTP service which interacts with EC2, S3 and Kafka to send data quality report to client side.
- Scheduled python jobs using MWAA (Airflow DAGs)
- Used Data Base Migration Services console for creation of DMS tasks for replicating real time data from one Postgres DB to Redshift.
- Worked along with ELK Team for setting up logging and alerting mechanism.
- Familiar with drawing sequence diagram using Flow chart Maker (draw.io)
- Worked closely with Senior Tech-Architects, QA Team, BA and Data Governance Team.
- Understanding Kinesis Streams, Kinesis Firehose, Glue, Athena.
- Managed VMware infrastructure environment of vSphere ESXi 6.0/6.5/6.7 vCenter 6.0/6.5 over 52 V Centers with 1919+ ESXI Hosts, VMs of APAC and EMEA region.
- Conducted external technical interview drive on AWS.
- Used Microsoft Word and other software tools to create documents and other communications.
- Used critical thinking to break down problems, evaluate solutions and make decisions.

### CERTIFICATIONS

- **Microsoft Certified: Azure Fundamentals**
- **AWS Cloud Practitioner**

### SKILLS

- **AWS Services:** Kafka, S3 Bucket, Lambda, DMS, EC2, SNS, CloudWatch Logs, AWS SES SMTP
- **Programming Languages:** Python (pandas, boto3, Functional Programming, OOPs)
- **Query Language:** SQL
- **Scheduler:** MWAA Airflow, Control-M, Cron Jobs
- **Databases:** Redshift, Postgres, Elastic Search
- **Version Control:** Git
- **Dashboards:** Kibana
- **File Formats:** JSON, CSV
- **Secondary:** Shell Scripting and Linux Commands, VMware
- **Microsoft Excel**
- Good **Communication** and **Analytical Skills**.

### TOOLS / TECHNOLOGIES

AWS Console, Putty, JIRA, Bitbucket, WinSCP, Elastic Search Console, Git Bash

### HOBBIES

Photography | Organizing and Social services | Travel

### ACHIEVEMENTS / INTERSHIPS

- Early Promotion to Tech Analyst for contributions and exponential learning.
- Participated in FDC (Formula Design Car) Competition organized by delta Inc., Coimbatore, 2015 (Achievement: Secured 23rd position AIR)
- Engaged in Social Services at Infosys