Gourav

+91 9891440033
gourav.singh.work@gmail.com

PROFESSIONAL SUMMARY

I am having 4.4 years of experience in the IT Industry as AWS and ETL Developer.

- Well versed in analyzing business requirements, functional specifications and technical specifications.
- Experience in implementation of Data Warehouse application as a result of ETL process using pyspark on AWS Glue.
- Well versed with E2E processes which includes through impact analysis, implementation, job scheduling and code migration to production.
- Experience in data migration from on-premise to AWS cloud.
- Implementation knowledge of developing ETL applications using AWS CDK.
- Knowledge of multiple AWS Services.
- Experience in integration of applications using APIs and Web services.
- Experience in different messaging protocols, message formats and file formats.
- Ability to work in dynamic team environments and Individuals.
- Comfortable working in Windows, Linux and Unix.
- Quickly adaptable to new technology and eager to work in different technologies.

INDUSTRY EXPERIENCE

Larsen & Toubro Infotech, Delhi - *Senior Data Engineer*   21 May 2021 - Present

Infosys Ltd, Pune/Mumbai - *Senior System Engineer*   17 Jul 2017 - 21 May 2021

Infosys Ltd, Mysore - *Intern*   Feb 2017 - Jun 2017

PROJECTS

Project Name	**: Data Integration and Report Generation**
Technologies	: AWS (S3, Glue, Lambda, StepFunctions, SNS, AWS CDK), Python3
Role	: Senior Data Engineer

Project Description   : The project is developed to consume data from multiple sources and create reports based on the ingested data. The ETL process is carried out using multiple AWS Services.

Responsibilities:

- Development of workflow of AWS Services using Step Functions.
- Using python as a language for AWS CDK infrastructure as a code.
- Using AWS Lambda to Invoke external APIs to receive data in S3 bucket.
- Development of Glue script using Python ,boto3, Pyspark in AWS Glue to transform data as per business requirement.

- Configuration development and modification which are required in the ETL Process.
- Development of validating and completeness check using python, pyspark in AWS Glue.
- Testing developed script using Pytest framework.
- Deployment of the AWS cloudformation template using Azure devops pipeline.

Project Name   **: Data Migration to AWS**

Technologies   : AWS (S3, Glue, Lambda, Redshift), Python3

Role   : Senior System Engineer

Project Description   : The project has been introduced in order to build a strategic BIW platform in AWS Redshift and increase the business value of the data. AWS Glue is used as ETL tool for extraction, transforming and loading of data.This project handles multiple applications and issues happening in applications.

Responsibilities:

- Extraction of data from source and conversion to standard parquet file.
- Reconciliation of data and then rectifying data issues loaded.
- Responsible for gathering requirements and designing documents.
- View Creations and validations of data by comparing actual tables.
- Writing pyspark and glue script to transform data as per business logic.
- Loading and validating processed data in AWS Redshift.

Project Name   **: Infra Migration and Payment Integration**

Technologies   : IBM Integration Bus, IBM MQ, Oracle 12c, Unix

Project Description   : State Bank of India is an Indian multinational, public sector banking and financial services statutory body. SBI is the 43rd largest bank in the world. As part of the migration for Foreign Offices to High availability systems, a team led by Infosys implemented ESB Solution. Along with migration we have developed an ESB solution to integrate SBI with other banks present in different countries.

Responsibility:

- Developing integration flows for conversion of incoming message format to specific outgoing message format for target channels.
- Rest API Development for consuming JSON based incoming requests.
- Performing unit-testing after development followed by UAT and bug fixing.
- Development of web-services and implementing web-service security as well.
- Implementing and enabling security aspects as per Internal security department.
- Responsible for setting up Software Infrastructure required for ESB Solution in non-Production and Production Environments.
- Deployment of ESB solutions to non-Production and Production environments and post go-live support.

TECHNICAL COMPETENCIES:

Programming Languages/Frameworks	*Python, Pyspark , boto3, SQL, ESQL*
Tools/ Development Kits	*AWS CDK, IBM Integration Bus(v10), IBM MQ(v9), Broadcom Release Automation*
AWS Services	*S3, Glue, Redshift, Lambda, Step Functions, IAM, SNS, Athena, Cloudwatch*
IDE's	*Pycharm, Visual Studio Code,Eclipse IDE, IBM Toolkit, Jupyter*
Communication Protocols	*MQ, SOAP, REST, TCP, HTTP*
Testing Tools/Frameworks	*Pytest, SOAPUI, Postman, Hercules utility*
Operating System	*Windows, Unix, Linux*
Database/Storage	*Oracle 12c*

EDUCATION

Galgotias University, Greater Noida- *B.Tech*

JUL 2013 - MAY 2017   Percentage : 85%

Indraprastha Convent School, New Delhi- *Intermediate*

APR 2011 - MAY 2012   Percentage : 74%

PERSONAL INFORMATION

- **Date Of Birth** : 28/07/1994
- **Nationality** : Indian
- **Passport** : Yes
- **Language Known** : Hindi, English