# Nikhil Srivastav
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## SUMMARY:

**6.2** years of IT experience with leadership quality, exceptional communication, Interpersonal, and team building skills. Sound Knowledge in providing quality solutions for the data analysis, data-warehousing, data Lake, **ETL/ELT** pipeline creation and Business intelligence functions of a data driven firm and contribute effectively with my refined skills in **Snowflake, Fivetran ,DBT Cloud, SQL, AWS(S3,Lambda,DynamoDB, EC2,IAM,RDS[OLTP],Glue, Redshift[OLAP],Athena, SNS, SES) ,Python,Pyspark, Pandas, Informatica and Alteryx** under Business intelligence & **Data-warehousing,DataLake projects** using Agile methodology. and have ability to work in a fast-paced environment, under minimal supervision providing technical guidance to the team members.

## AREAS OF EXPERTISE

**ETL/ ELT|SQL|Data Warehousing|Python|Pyspark|Alteryx|AWS|Snowflake|Reverse Eng|Data Lake| Fivetran|Tableau|SFMC|Azure DataFactory|Azure DataLake gen2 |Blob Storage|Azure DB|DBT Cloud**

## PROFESSIONAL EXPERIENCE :

➢ **Boston Consulting Group (Data Engineer Aug 2021 to Till Date)**

➢ **Fidelity International (Analyst Programmer May 2019 to July 2021)**

➢ **Cognizant Technology solutions (Programmer Analyst May 2016 to Nov 2018 → Associate Nov 2018 to May 2019 ).**

## ABOUT ME:

➢ Seasoned IT professional with **6.2** yrs. of experience, comprehensive technical skill set and expertise in **Python, AWS Lambda ,Snowflake,DBT,Fivetran,AWS,Tableau,git,Jenkins,Pyspark and other Cloud Technologies.**

➢ **Effectively collaborated with stakeholders by delivering key business insights using analytical techniques and visualizations. Created impact by designing consumable and innovative solutions for complex business problems using Python ,PowerCentre ,Alteryx,PL/SQL ,Unix, Pyspark,DBT,Fivetran.**

➢ **Remarkable experience in designing ETL/ELT processes on both serverless & server based and developing source to target mappings and schedule them as per the business requirement.**

➢ **Creating AWS CloudFormationTemplates for AWS services, Secret manager for keeping the keys, IAM management.**

➢ **Expert in Requirement gathering, Analyzing, Developing, Testing, and Deploying Data warehousing and Data Lake solutions(Development/Maintenance/).**

➢ **Proficient with ETL/ELT solutions, SQL, Unix, Pyspark,spark-sql,Python frameworks and AWS, DBT,Fivetran,Snowflake.**

➢ **Implemented Spark-SQL with various data sources like JSON,Parquet,XML,CSV,TSV,Avro and Hive.**
➢ Experienced with **Spark Context, Spark-SQL, Data Frame, RDD,Glue-Context**.
➢ Proficient in **Snowflake Admin, Tableau Admin ,DBT Admin,AWS Admin ,Fivetran Admin , SFTP Server Admin Activites.**
➢ Experienced in Using **Spark context inside glue-context to use various spark transformations.**
➢ Proven experience in utilizing Databases such as **MySQL,Oracle,DB2,Sql-Server,Sybase**
➢ Extensive experience in **IBM info sphere Data Stage 11.7.1, Informatica Power Center-10.4** along with tools like **JIRA, Tortoise SVN , Control-M ,TeamCity, Bamboo, Urban Deploy & SQL developer**.
➢ Familiarity with data warehousing solutions(**Star/Snowflake schemas, Slowly and Rapidly changing Dimensions,Factless Fact, Bitmap indexes**).
➢ Excellent Analysis and problem solving and communication skills
➢ Used Data Warehousing Concepts like **OLAP, OLTP, Star Schema, Snow Flake Schema, Fact Table and Dimension Table** and deployed solution using CI and CD Pipelines.
➢ Working knowledge and good experience in Unix environment and capable of Unix Shell scripts (**bash**).
➢ Valuable experience on practical implementation of cloud-specific AWS technologies including **IAM,** ,**EC2,S3,Lamdba,DynamoDb,RDS,Glue,Redshift,Athena,CloudWatch,Cloudformation,IAM,Secret Managers**,**SNS,SES.**
➢ Created Lambda Functions for Event Based Triggering of Glue Jobs and Data Insertion in DynamoDB when files get uploaded to S3.
➢ Hands on Experience of (**Integration-object,Network Policies,Stages,FileFormat,Snowpipe,Snowsql,Clone,Copy Creation in Snowflake).**

## Work Experience:

**Boston Consulting Group(BCG):**
**Duration : Aug-2021-Till Date**
**My role involves –**

➢ End to End implementation of Data Pipelines using **DBT, Fivetran, Python, AWS Lambda to snowflake.**
➢ Took care of all activities **Snowflake Admin, Tableau Admin ,DBT Admin,AWS Admin ,Fivetran Admin, SFTP Server Admin Activites.**
➢ Implemented **Snowflake Task Failure Email Notification** in case of any task Failure in any database using **AWS Lambda, Snowflake & AWS SES.**
➢ Create/Deploy environment-based snowflake Integrations to cloud services like **AWS and Azure** for ingesting the data to these env from different cloud Storages.
➢ Created Process to snowflake tasks & procedures to tackle various activities i.e., **Refresh environments** data in DEV , QA from Prod using Snowflake **Zero Copy cloning.**
➢ API ingestion incremental framework Design and Data ingestion pipeline for **(Marketo,Validity,Splrinkr email analytics tools) using AWS Lambda & SNS**.
➢ Python & other dependent libraries version upgrade in all the Lambda Functions codebase, multiple time for seems less running.
➢ S**3 key rotation in different Alteryx Workflow's using IAM Role & User Creation.**
➢ DBT upgrade & Code review for peers & deployment of the pull request in DEV, QA , PROD every week using Git cloud .
➢ Single handedly handled the **Git cloud to Git Enterprise Migration, Python version upgradation, Snowflake Access Policies.**
➢ Tableau Snowflake Integration, Various Service accounts creation and maintaining access to all other users.
➢ Implemented **Networks Policies in snowflake** ,using IP whitelisting in snowflake for third party tools like (Fivetran, Lambda).
➢ Implemented **AWS Lambda VPC migration for static IP generation & whitelisting these IPs in snowflake & Marketo.**

### Fidelity International
**Duration : May 2019 –July 2021**
**My role involves –**
➢ Analyzed and evaluated existing or proposed systems and related procedures to process data.
➢ Created & Deployed Workflow,Mapping,Mapplet, Sessions ETL logics based on BRD in informatica and tested in different environments **(Dev/Sit/But/EBF/Prod)**
➢ Used **SVN/GIT** for version controlling and **Bamboo** for **CI & Urban Deploy** for **CD** & **Control-M** for running thebatches
➢ Design Develop and Test ETL Mappings, Mapplets, Workflows, Worklets using Informatica PowerCenter 10.x
➢ Working closely with Onshore and offshore application development leads.
➢ ETL Mappings, Mapplets, Workflows, Worklets using Informatica Power center **10.1,10.4**
➢ Identify efficiencies and ways to improve design and development processes.
➢ Analyzed & modified various Unix scripts which are being used for Automate the Workflow running,File validations ,Oracle Partition Exchange, parameterized run & **DFF** process.
➢ Design and Develop ETL Processes in AWS Glue to migrate data from external sources like S3, Avro/Parquet/Text Files into AWS Redshift.
➢ Data Extraction, aggregations and consolidation of data within AWS Glue using Spark.
➢ Create external tables with partitions using Hive, AWS Athena and Redshift, Redshift spectrum.
➢ Developed Spark applications using Spark and Spark-SQL for data extraction, transformation and aggregation from multiple file formats for Analysed & transforming the data to uncover insights into the customer usage patterns.

**Client:<Client Location(Canara HSBC, Gurgaon>**
**Company : Cognizant Technology Solutions**
**Duration : May 2016 – May 2019**

**Abstract**: In order to perform well in a very competitive environment today in India, Life Insurance requires access to reliable and timely information to address the company's rapidly evolving information needs. In this scenario EDW creation is much needed, it will help to analyses current business, forecast future business andvisualize current business needs. also, creation of a Generic reconciliation framework based on data Stage. Inwhich we need to create a generic query processing environment job for each stream using DataStage & outputof the provided queries needs to be reconcile using an engine (written in Unix and DataStage) and the data Reconciliation will complete with a report generation based on various variance level and mail notification to the dedicated team.

**My role involves –**
➢ Provided assistance for definition, structuring, designing ,implementation and documentation of data sources as per business needs.

- Creation of Data dictionary for source systems (ingenium (Policy Admin System), Group Asia, Renova, AML) and Table/column level analysis for 3000+ tables using information schemas (Db2, MySQL , Oracle,Sql Server)
- Assisted in designing and implementation of data marts and data warehousing applications
- Identify process improvements to achieve goals related to product marketing and customer support.
- Participated in system design and feasibility analysis discussion, providing the project estimates for development.
- Interacted with data Modeler and Business users to clarify the change.
- Experience in documenting High Level Design, Impact Analysis, Unit test plan, Unit test cases andDeployment documents.
- Implemented processes for extraction and loading of ETL data into Staging, Atomic, Dimensions/Facts &Aggregation Layer.
- Designed codes for data access along with stored procedures and current SQL queries.
- Created jobs using different lookups like Normal, Sparse and Entire look-up.
- Created and executed Jobs using Slowly Changing Dimensions Type 2.
- Performed various performance related test on jobs using DUMP_SCORE environment variable.
- Implementation of Audit Framework for Prod -> staging -> Atomic ->Dim/Fact using IBM DataStage Server/Parallel Routines & DB2 Procedures.
- Implemented procedures for validation, reconciliation of metadata and error handling in ETL Processes.
- Maintained project documentation relating to testing, coding and logic of ETL Processes.
- Designed various DataStage jobs for loading the output data to the interface table.
- Worked on mapping document, designed & developed, tested Data Stage jobs using parallel processingtechnique.
- Developed various Sequence jobs using JobActivity,Uservariable,mailnotification,Sequencer,
- Execute command Activity, Sequence loop Activity.

**PERSONAL DETAILS :**

- **Father's Name**: Mr. Dinesh Kumar Srivastav
- **DOB**: 24th July 1993,
- **Marital Status:** Single,
- **Gender:** Male,
- **Language**: English, Hindi,
- **Permanent Address**: Kanpur, U.P-208001

**DECLARATION :**

I, **Nikhil Srivastav**, hereby declare that the information contained herein is true and correct to the best of myknowledge and belief.