# Varun Bainsla

Bangalore  | Ph :  +919813179171 | varunbainsla21@gmail.com

LinkedIn | Github

## SKILLS

- **Cloud Platforms**:  AWS S3, EC2, RDS, Lambda, Glue, Athena, QuickSight, DynamoDB, Kinesis
- **Programming Language**:  Python, Java, PySpark ,
- **Databases**:  DynamoDB, PostgreSQL,DuckDB
- **Big Data / Big Data Technologies**:  Hadoop, Apache Spark ,Airflow,SnowFlake,DataBricks
- **Tools**: Docker, Git, Bitbucket, JIRA
- **Expertise :** ETL Development, Data Modeling, CI/CD, Data Quality/Governance, Scalable System Design
- **Soft Skills**: Problem-solving, Communication, Cross-functional Collaboration

## WORK EXPERIENCE

**Nira Finance**                                                                                               **Bangalore, Karnataka**
Data Engineer                                                                                               October 2023 – Present

- Redesigned and Optimised the OLAP(Analytic) System for enhancing the performance by 80% and reducing the overall cloud cost savings 50% using **Python AWS Glue, S3, Dynamodb Streams and Athena**.
- Built 50+ Automated ETL Pipelines with CI/CD using **Airflow, Pyspark on EMR Cluste**r and **Terraform** for syncing CDC data from Dynamodb Streams
- Deployed and Managed **PostgreSql** cluster on **EC2** with two read replicas for migration from Dynamodb to Postgresql database.
- Integrated **WebEngage** CDP for increasing user retention which results in increasing engagement by 25% and retention rates by 15%.
- Introduced **Delta Lakes** using Iceberg table formats results in more than 90% cutting in OLAP system cost.
- Designed OLTP and OLAP data models, while using Star Schema for olap tables

**Srijan | A Material+ company**                                                                          **Gurugram, Haryana**
Data Engineer                                                                                               June 2022 – August 2023

- Developed cloud services and **APIs** for remote healthcare monitoring, including AWS Kinesis pipelines for real-time **IoT analytic**s.
- Implemented **event-driven architecture** using SNS/SQS for **asynchronous tasks** and messaging.
- Optimized data handling with DynamoDB **single-table design**, including unit tests and role-based authentication.
- Created **real-time insights pipeline** from BSE stock server using **FastAPI**, overcoming challenges with cron scheduling and optimizing for trading hours.

## CERTIFICATIONS

- AWS Knowledge: Architecting
- AWS Knowledge: Cloud Essentials
- Cisco : Data Analytics Essentials

## EDUCATION

**BSAITM Faridabad, Haryana**                                                                          **8.2 CGPA**
- Bachelor of Technology - Information Technology                                July 2018 – June 2022