



# John Francis

Senior Data Engineer

## Contact

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## Skills

**Pyspark**  
Upper intermediate

**Databricks**  
Advanced

**AWS Glue**  
Intermediate

**AWS S3**  
Upper intermediate

**Azure Data Factory**  
Upper intermediate

I'm a Data Engineer who would like to pursue a highly rewarding career, seeking for a job in challenging and healthy work environment where I can utilize my skills and knowledge efficiently for organizational growth.

## Work History

2022-11 -  
Current

### Senior Data Engineer

*Loyaltytics.ai, Banglore*  
**Loyaltytics AI**  
**Full-time · 1 yr 4 months**  
**Senior Data Engineer**  
**Oct 2023 - Present · 2 months**

**Projects:**  
**GMG Retail -GMG is a global FMGC company based in UAE.**  
Worked as Senior Data Engineer in setting up ETL for multiple data sources and setting up a robust datalake architecture. The project required us to setup a datalake that ingests from SAP, SFTP, REST API etc. and create a datalake using AWS Glue and AWS Databricks. The latest Delta Live Tables technology from Databricks was used in this project.

**Product Data Engineer**  
**Apr 2023 - Oct 2023 · 7 months**

**Projects:**  
**Swan AI - Swan AI is a product offered by Loyaltytics AI for automated customer analytics and dashboards**  
Worked as Lead Data Engineer in setting up ETL for unstructured retail business data of all clients of Loyaltytics and setting up a robust datalake architecture with Delta Live Tables technology. The ingestion was from streaming service Apache Kafka.  
**Datalake Jumpstarter Framework -Loyaltytics internal project**

Self-Managed and Developed a Data life-cycle framework (Datalake Jumpstarter Framework) that can be used to ingest nearly every file type like xml, json, text, csv, parquet etc. The framework was built over Unity Catalog and Delta Live Tables provided by Databricks. The framework allows data streaming, automated data quality testing and data governance. It is highly scalable since it uses

Azure Blob storage

Upper intermediate

Fivetran

Upper intermediate

Python

Advanced

Javascript

Upper intermediate

SQL

Upper intermediate

Delta Live tables technology from databricks internally and has trigger time isolation along with parallel processing of notebooks/scripts implemented in python. Integration and setting up was simplified by requiring the developer who uses the framework to setup only configurations with minimal to no-coding required. Environment isolation control was implemented for users to develop their ETL's in dev,prod, etc. settings. The framework was used in the GMG and Cenomi projects. All documentation on how to setup the framework was documented in Notion

### **Cenomi - Cenomi is Saudi Arabia's largest fully integrated retail and shopping center organization**

Worked as Data Engineer in setting up ETL for multiple data sources like text files , zip files , json files, xml files, csv files, web scrapping, google sheets, Oracle Fusion REST API etc. and setting up a robust datalake architecture with Delta Live Tables technology using Azure Databricks and Azure Data Factory.

#### **Data Engineer**

**Aug 2022 - Apr 2023 · 9 months**

#### **Projects:**

#### **Panda Retail -Panda Retail Company is a Saudi Arabian grocery retailing company**

Worked as Lead Data Engineer in setting up ETL for multiple data sources like MySQL, Oracle DB, SQL Server, Oracle Fusion etc. and setting up a robust datalake architecture. We successfully transitioned from Oracle Data Integrator to Azure Databricks and Azure Data Factory Ecosystem

#### **Urban Foods LLC - Urban Foods LLC is hypermarket business chain across UAE**

Worked as Lead Data Engineer in setting up ETL for multiple data sources like SQL Server and Microsoft Share Point and setting up a robust datalake architecture using Azure Data Factory and Azure Databricks.

#### **LuLu Group International - LuLu Group International is an Indian Emirati-based multinational conglomerate company that operates a chain of hypermarkets**

Worked as Data Engineer in setting up ETL for unstructured retail business data and setting up a

robust datalake architecture. In this project we ingested very large unstructured XML format POS data from SFTP and did ETL to convert them into structured Delta Tables and pushed them to Kafka stream.

2020-09 -  
2021-09

## Software Engineer

*Liftoff, Bangalore*

**LiftOff LLC · Full-time**

**Sep 2020 - Sep 2021 · 1 yr 1 month**

Worked as Full Stack Developer in the core development team of the following projects

### **OkayHumans.com - A mental healthcare business**

Worked in frontend web, backend development and deployment team. The project was built on Node.js framework Hapi.js. Implemented SQL transactions to create integrity of booking flow . Developed a robust membership system with failure refunds integrated with stripe. The project used AWS ecosystem with CICD using github actions and AWS Elastic Beanstalk

### **KicksNation.com - A personalized sneaker styling business**

Worked in development of new apis and features in the backend team. Created a flow to detect fraudulent purchase and blacklist the user. Integrated new brands to the existing database

### **ThinkingNation.org - A US based Ed-Tech business**

Managed the development of new apis and features in the backend team. Created new submission flow and updated the automated invalid characters mapping. Worked in the core development team of the following

2020-04 -  
2020-08

## Web Developer Intern

*GUVI, Chennai*

Web Development Intern

GUVI Geek Networks, IITM Research Park · Part-time  
Apr 2020 - Sep 2020 · 6 months

Full stack developer

Developing responsive webpages using jQuery and bootstrap and connecting to SQL database .

Created new certificate page with download feature. Full stack developer Developing responsive webpages using jQuery and bootstrap and

connecting to SQL database . Created new certificate page with download feature.

2018-12 -  
2019-03

## Quality Control Inspector

*Aqua Group(Texmo), Coimbatore*

Quality Control Inspector

Aquasub Engineering(Aqua Group)

Dec 2017 - Apr 2019 · 1 yr 5 months

Coimbatore, India,

On site supplier end inspection

Quality Inspection On-Site Supplier-End and In-House Quality Control. Regular on-site inspection of sub-contracted components using precession measuring instruments and specification drawings with tolerances and material specifications. Followed ISO inspection and sampling standards . Managed 26 sub-contracted suppliers in monthly cycles.

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## Education

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2000-06 -  
2013-06

### Higher Secondary

*St.Joseph's Boys HSS , Coonoor - Coonoor, Nilgiris, Tamilnadu, India*

2013-06 -  
2017-06

### B.E: Mechanical Engineering

*Anna University,Chennai - India*

2020-04 -  
2020-07

### Full Stack Web Development Bootcamp: Full Stack Web Development

*GUVI - Chennai*

2021-11 -  
2022-06

### Data Science Bootcamp: Data Science

*GUVI - Chennai*

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## Accomplishments

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- Pinnacle Performer - Loyaltytics.AI - Q1, 2023
- Star Performer - LiftoffLLC - Month of April, 2021
- 2 nd Place - GUVI - Hackathon May 18, 2020
- 3 rd Place - GUVI - Hackathon June 23, 2020
- 1 st District Level U-19 Chess Championship , 2012
- 2 nd District Level U-16 Chess Championship , 2011