Jitendh Jayan

**Data Engineer**

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Professional Summary

Innovative and results-oriented **Data Engineer** with over 10 years of experience in designing, building, and optimizing large-scale data pipelines and processing systems. As the founder and leader of a successful startup, I thrive on solving complex data challenges, creating opportunities from adversity, and delivering scalable, impactful solutions. Proficient in modern data engineering tools like **Apache Kafka, Spark, and Hadoop**, as well as cloud platforms such as **AWS, Azure, and GCP**, I specialize in building efficient ETL workflows, real-time data integrations, and advanced analytics solutions.

Key accomplishments include:

* Architecting **end-to-end data pipelines** capable of processing **1TB of transaction data daily**, reducing batch processing times by **50%**.
* Migrating legacy data systems to modern **AWS Redshift** infrastructure, improving query response times by **40%** and enhancing data accessibility.
* Leading the development of a data warehouse solution, centralizing disparate data sources and enabling actionable insights for analytics teams.
* Passionate about building scalable, reliable, and future-proof data infrastructure to empower decision-making and drive business innovation.

With a deep understanding of data workflows and a commitment to delivering high-quality solutions, I thrive in dynamic environments that value creativity, collaboration, and continuous learning. My entrepreneurial background enables me to approach challenges with a unique perspective, creating data-driven opportunities that align with business objectives and industry trends.

**Core Competencies**

**Data Engineering Expertise:**

|  |  |  |
| --- | --- | --- |
| * ETL Pipelines * Data Integration * Data Lakes | * Data Cleaning * Streaming Data Processing * Data Orchestration | * Data Transformation * ETL Automation * Data Governance |

**Big Data Tools:**

|  |  |  |
| --- | --- | --- |
| * Apache Spark * Airflow | * Hadoop * Spark Streaming | * Kafka * Batch Processing |

**Programming & Databases:**

|  |  |  |
| --- | --- | --- |
| * Python * R | * SQL * PostgreSQL | * NoSQL * MongoDB |

**Cloud Platforms:**

|  |  |  |
| --- | --- | --- |
| * Azure Data Factory * Redshift | * Google BigQuery * S3 | * AWS * Glue |

**Data Visualization:**

|  |  |  |
| --- | --- | --- |
| * Power BI * Seaborn | * Tableau * ETL | * matplotlib |

**Technical Skills:**

|  |  |  |
| --- | --- | --- |
| * Machine Learning * Data Science * NLP | * Neural Networks * Scikit-Learn | * TensorFlow * Keras |

**Analytical Skills:**

|  |  |  |
| --- | --- | --- |
| * Data Analysis | * Data Visualization | * Excel |

**Product & Client Management:**

|  |  |
| --- | --- |
| * Customer Success * Product Development | * Market Research * Pricing Strategy |

**Project Management:**

|  |  |  |
| --- | --- | --- |
| * Agile Methodologies | * Cross-functional Team Leadership | * Strategic Planning |

**Professional Experience**

# Chief Marketing Officer, *Arvension Technologies LLP, Thiruvananthapuram*

April 2017 - December 2024

* Designed and implemented **ETL pipelines** to process and analyze customer data, improving reporting accuracy by **30%**.
* Migrated legacy data systems to **AWS Redshift**, reducing query response times by **40%**.
* Developed and maintained **real-time data workflows** using Apache Kafka and Airflow, ensuring high data availability and scalability.

# Managing Director, *Eventofabs India Pvt. Ltd., Thiruvananthapuram*

February 2022 - May 2023

* Built a **data warehouse** to consolidate multiple data sources, improving data accessibility for analytics teams.
* Automated data transformation workflows with **Python and SQL**, saving **20 hours/week** in manual processing.

# Business Marketing Executive, *Bigframe Technologies Private Limited, Kochi*

January 2017 - July 2017

* Increased educational course sales by 20% through targeted strategies.
* Coordinated collaboration efforts to innovate product processes.

**Sales Executive and Technical Support,** *Comput Solution, Thiruvananthapuram*

March 2014 - December 2016

* Increased computer and laptop sales by **20%** through targeted strategies.
* Coordinated collaboration efforts to innovate product processes.
* Technical Support to existing customer which help to boost AMC sales for **25%**.

**Projects**

**1. Real-Time Data Pipeline for E-Commerce**  
*Skills Applied*: Apache Kafka, Spark, AWS S3, Redshift, Data lakes, Real-time streaming

* Built an end-to-end data pipeline using Apache Kafka and Spark to process **1TB of daily transaction data**.
* Deployed on AWS S3 and Redshift, reducing batch processing times by **50%**.

**2. Customer Data Integration Framework**  
*Skills Applied*: Python, Airflow, PostgreSQL

* Designed an ETL process using Python and Airflow to integrate data from multiple CRMs into a PostgreSQL database.
* Improved data consistency and reduced manual errors by **30%**.

**3. Big Data Analytics Dashboard**  
*Skills Applied*: Power BI, Hadoop

* Created a real-time dashboard in Power BI connected to Hadoop-based storage, providing insights into user behavior for marketing campaigns.

**4. Financial Performance Report**  
*Skills Applied*: Power BI, Data Modelling, Excel

* Created a financial performance dashboard to visualize income statements and cash flow, improving financial oversight and decision-making.

Education

**Diploma in Data Science and AI**  
*Keltron Knowledge Centre* — *July 2024 - December 2024*  
Relevant Coursework: ETL Processes, Big Data Analytics, Cloud-Based Data Solutions

**BBA**  
*Rabindranath Tagore University* — *2019 - 2022*  
Relevant Coursework: Market Analysis, Product Management

**Bachelor of Technology in Electronics and Communication Engineering**  
*College of Engineering Attingal* — *2010 - 2014*  
Projects: Centralized Vote Counting System

**Certifications**

* **AI-Powered Performance Ads** (Google) — *May 2024* (Valid until May 2025)
* **Google Analytics Certification** (Google) — *May 2024* (Valid until May 2025)
* **Microsoft Power Platform Training** — Proficiency in Power Apps, Power Automate, and Power BI
* **AWS Certified Data Analytics – Specialty**
* **Google Cloud Professional Data Engineer**
* **Microsoft Azure Data Engineer Associate**

Technical Skills

* **Big Data Tools**:

|  |  |  |
| --- | --- | --- |
| * Apache Spark * Airflow | * Hadoop * Big Data Processing | * Kafka * ETL Pipelines |

* **Cloud Platforms**:

|  |  |  |
| --- | --- | --- |
| * AWS (Redshift, Glue, S3) * Cloud Data Solutions | * Azure Data Factory | * GCP (BigQuery) |

* **Databases**:

|  |  |  |
| --- | --- | --- |
| * SQL * NoSQL | * MongoDB * Data Warehousing | * PostgreSQL |

* **Programming Languages**:

|  |  |  |  |
| --- | --- | --- | --- |
| * Python * R | | * Java * HTML | * C++ |
|  |  |

* **Platforms**:

|  |  |
| --- | --- |
| * Azure AI * Google Analytics | * Microsoft Power Platform (Power BI, Power Automate, Power Apps) * Cloud Data Solutions |

* **Machine Learning Libraries**:

|  |  |  |
| --- | --- | --- |
| * TensorFlow | * Keras | * Scikit-Learn |