# Arunthavanathan Satalan

Senior Data Engineer

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## PROFESSIONAL SUMMARY

Senior Data Engineer specializing in scalable data pipeline design, ETL automation, and cloud-based distributed systems. Experienced in transforming raw datasets into production-grade analytics systems. Strong background in Python, SQL optimization, cloud technologies, and building high-availability data platforms

## CORE COMPETENCIES

Data Pipeline Design, ETL Automation, Cloud Architecture

## PROFESSIONAL EXPERIENCE

**Senior Data Engineer**                                                                                      *2022 – Present*
*TechNova Analytics* | Colombo, Sri Lanka

- Designed and deployed automated ETL pipelines that reduced processing time by 40
- Implemented scalable data warehousing solutions using PostgreSQL and AWS Redshift.
- Optimized SQL queries and indexing strategy to improve report performance by 60

**Data Engineer**                                                                                                  *2020 – 2022*
*DataSphere Solutions* | Jaffna, Sri Lanka

- Built real-time data ingestion workflows using Kafka and Python.
- Developed API-driven data synchronization layers for cross-system integration.
- "Configured CI/CD pipelines with Docker and Jenkins to automate deployments.

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## EDUCATION

**BSc in Computer Science**                                                                                          2020
*University of Colombo* | Sri Lanka
GPA: 3.8/4.0

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## TECHNICAL SKILLS

**Programming Languages:** Python,Java,SQL

**Frameworks & Libraries:** React,Django

**Databases:** PostgreSQL,MongoDB

**Cloud Platforms:** AWS,Docker

**Tools & Technologies:** Jenkins

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate – Amazon Web Services (Mar 2023)
- Google Data Engineer Professional – Google Cloud (Mar 2023)

## KEY PROJECTS

**Real-Time Data Processing Platform**
*Technologies: Python, Kafka, PostgreSQL, Docker*
Built a streaming data platform capable of ingesting and processing 1M+ events per hour with real-time analytics dashboards

**Cloud-Based ETL Automation System**
*Technologies: AWS Lambda, S3, Redshift, Python*
Designed automated ETL workflows reducing manual workload and improving system reliability by 50