

# Laxman Teja Errapothu

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## **PROFESSIONAL SUMMARY**

Results-oriented **Data Engineer** with 3+ years of experience designing and deploying scalable, cloud-native data solutions for high-impact enterprise systems. Led the modernization of five legacy platforms into a unified AWS architecture for a Fortune 500 fuel retail client, improving processing efficiency by 60%. Skilled in **Python, SQL, AWS, and ETL pipeline development**, with hands-on experience in **data ingestion, validation, transformation, and reconciliation**. Known for writing clean, testable code and delivering automation tools that eliminate manual effort and reduce production incidents.

## **TECHNICAL SKILLS**

<b>Programming</b>	Python(Pandas, SQLAlchemy), SQL, Java, JavaScript
<b>Frontend Frameworks</b>	Angular
<b>Data Engineering &amp; ETL Tools</b>	Apache Spark, ActiveBatch, DBT
<b>Databases</b>	PostgreSQL, MySQL, Snowflake
<b>Cloud Services</b>	AWS: Lambda, SQS, SNS, CloudWatch, S3, DynamoDB, RDS,EC2, API GateWay, IAM,Secret Manager  GCP: Cloud Functions, BigQuery, Dataproc
<b>CI/CD</b>	Jenkins, CloudBees, JFrog Artifactory
<b>Testing &amp; CodeQuality</b>	Unit Testing (pytest), Code Coverage (Python), SonarQube
<b>Version Control</b>	Git, Bitbucket, GitHub Desktop
<b>Tools</b>	Postman, Jira, Pycharm, VSCode, pgAdmin, Figma, Confluence, ServiceNow, Visual Studio
<b>Operating Systems</b>	Windows, Ubuntu

## **PROFESSIONAL EXPERIENCE**

**Company:** Yotta Tech Ports

May 2022 – Present

### **Project: Cloud-Based Transaction Integration Platform**

**Client:** Pilot Flying J (Fortune 500 Fuel Retailer) | **Role:** Data Engineer

**Duration:** November 2022 – Present

**Domain:** Fuel Retail / Data Engineering

#### **Objective:**

Modernize and integrate five legacy applications into a cloud-based centralized transaction processing platform.

**Tech Stack:** Python, PostgreSQL, AWS (Lambda, SQS, SNS, S3, CloudWatch, DynamoDB, RDS, API Gateway, IAM, Secret Manager), ActiveBatch, Jenkins, CloudBees, JFrog Artifactory, Git, Bitbucket, pgAdmin, Pycharm, VSCode, pytest, SQLAlchemy, Pandas, SonarQube

- Migrated five legacy systems into a **serverless AWS architecture**, reducing data processing latency by 40%.
- Designed **event-driven pipelines** using AWS Lambda, SQS, and SNS for real-time document and transaction ingestion.
- Implemented **OCR-based invoice validation** pipeline with 98% accuracy, integrating seamlessly with downstream RightAngle systems.
- Created optimized schemas in **PostgreSQL and DynamoDB** to manage high-volume data ingestion and reconciliation.
- Developed test coverage using **pytest** and enforced code quality through **SonarQube**, reducing production bugs by 30%.
- Automated CI/CD processes via **Jenkins** and **CloudBees**, cutting release cycle times by 40%.
- Built internal tools to automate deployment health checks and eliminate manual validation steps.

### **Project: Performance Management System (PMS)**

**Client:** Internal | **Role:** Full Stack Developer

**Duration:** May 2022 – November 2022

**Domain:** HR / Employee Performance Evaluation

#### **Objective:**

To build an internal web-based platform for managing employee performance reviews and appraisal cycles with seamless UX and secure, scalable cloud infrastructure.

**Tech Stack:** Python, Flask, Angular, PostgreSQL, AWS (S3, Lambda, RDS, CloudWatch), Figma, Git, VSCode, pgAdmin

- Designed and developed an intuitive web application to manage goal setting, self-evaluation, and manager reviews.
- Built RESTful APIs using Flask for back-end services and used Angular to implement responsive front-end components.
- Created UI/UX mockups in Figma for approval before component development.
- Designed and implemented PostgreSQL schemas to handle evaluation cycles, scores, and feedback records.
- Hosted and monitored the application on AWS, integrating S3 for storage and EC2 for compute resources.
- Ensured security and performance best practices were followed throughout development.

## **EDUCATION**

Bachelor of Technology in Electronics and Communication Engineering

DRK Institute of Science and Technology

2017 – 2021

## **AWARDS AND ACHIEVEMENTS**

- Awards: Extra mile award 2024 (in Yotta tech ports)