

Sandeep Revilla

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Data Engineer with 3+ years of experience in designing and implementing scalable data pipelines using **Palantir Foundry, PySpark, and Kafka**. Skilled in ingesting data from Kafka topics, relational databases, and raw file sources via the **Data Connection app** on **EC2 instances** in secure non-DMZ zones. Proficient in applying business logic through **CI/CD-based code repositories** and conducting advanced data analysis using **Code Workbook** and **Contour**. Experienced with Foundry apps including **Ontology Manager, Scheduler, Data Health, Pipeline Builder** and **Recipes** Strong in **SQL, Python, and PySpark** for data transformation and analytics, with hands-on knowledge of **AWS services** such as **S3** and **EC2**. Adept at building high-performance data solutions that improve infrastructure reliability and drive data-driven decision-making.

Work Experience

Data Engineer

Cognizant - Client: AbbVie

July 2022 – Present

- Designed and implemented end-to-end **data pipelines** within **Palantir Foundry**, leveraging **PySpark** for efficient data processing and handling large-scale datasets from sources like **Kafka topics, databases, and raw files**.
- Managed **data ingestion** using the **Data Connection app**, which operates on **EC2 instances** in a non-DMZ zone, ensuring secure and reliable data flow into the Foundry ecosystem.
- Applied complex business logic through **CI/CD-based code repositories**, streamlining code deployment and automating integration and delivery.
- Conducted comprehensive data analysis using **Code Workbook** and **Contour**, driving actionable insights and supporting strategic business decisions.
- Built and maintained data objects with the **Ontology Manager** app, structuring data for easy access and analysis across teams.
- Automated job scheduling with the **Scheduler app**, ensuring timely execution of data processing tasks, and used the **Data Health app** to perform regular system and data integrity checks.
- Led the development of pipelines using **Pipeline Builder**, a low-code environment, significantly improving efficiency and reducing development time for new workflows.

- Automated routine tasks, including email notifications, using **Recipes**, reducing manual interventions and increasing operational efficiency.
- Collaborated with cross-functional teams to continuously enhance the **Palantir Foundry** infrastructure, reducing **pipeline failures by 30%** and improving system performance by conducting health checks and optimizations.

Tools & Technologies: Palantir Foundry (Code Workbook, Contour, Slate, Quiver, Ontology Manager, Scheduler, Data Health, Pipeline Builder, Recipes), PySpark, AWS (S3, EC2), Apache Kafka, SQL, Python

Skills

Data Engineering & ETL Tools:

- Palantir Foundry (Code Workbook, Contour, Slate, Quiver, Ontology Manager, Scheduler, Data Health, Pipeline Builder, Recipes, Code Repository, Data Connection App),

Programming Languages & Frameworks:

- Python, SQL (Structured Query Language), PySpark, JavaScript

Big Data & Cloud Technologies:

- Apache Kafka, HDFS, PySpark, AWS (S3, EC2), Data Ingestion & Transformation

Version Control & Collaboration:

- Git, GitHub, Jira

Education

BACHELOR OF ENGINEERING (B.E.)

Vel Tech Engineering College, Anna University – Chennai, India

Graduated May 2022 with Distinction (87%)

Accomplishments

- Received client recognition for consistently delivering tasks on time, enhancing project timelines and overall productivity.
- Developed a [REST API](#) with CRUD operations and JWT authentication, improving security and accessibility for data-driven applications. [GitHub](#)