SANTIAGO SALDIVAR

DATA ENGINEERING & SOFTWARE ENGINEERING

SUMMARY

Software Engineer with experience designing scalable ETL pipelines, optimizing distributed data processing, and automating large-scale data workflows. Passionate about building high-performance, reliable systems for large-scale infrastructure.

EXPERIENCE

GOV GLANCE FOUNDATION

SOFTWARE ENGINEER

Jan 2022 – Present

- Engineered and maintained web crawlers with 99% reliability, automating daily collection of government data points.
- Developed and optimized ETL pipelines, ensuring efficient data extraction, transformation, and loading processes.
- Currently leveraging Apache Spark to process large government datasets, enhancing data aggregation and transformation efficiency
- Deployed an enterprise metasearch solution, integrating a government data retrieval engine by customizing the SearXNG codebase.
- Architected a scalable database infrastructure, implementing connection pooling and optimized API integrations to improve search performance.
- Optimized query performance, reducing execution time by 700%, from 7 seconds to 1 second.
- Led technical development for three major platform initiatives and mentored developers in database management and web crawling strategies.
- Managed cloud infrastructure security by configuring user access, permissions, and file execution settings.

SOUND AIRCRAFT SERVICES

ASSISTANT PROJECT MANAGER / LINEMAN (PART-TIME)

Jan 2022 – Mar 2023

- Managed software project tasks by creating and overseeing JIRA tickets for bug fixes and feature enhancements.

CONTACT

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OBJECTIVE

Seeking a Software Engineer role focused on building high-performance systems and optimizing large-scale data workflows.

EDUCATION

FORDHAM UNIVERSITY,

Bachelor of Science, Information Systems

SKILLS

Programming Languages
- Python
- JavaScript
- SQL

Frameworks & Libraries
- Django
- NLTK
- Scikit-learn

Data Engineering
- ETL Pipeline Design
- Data Aggregation
- Web Crawling

Databases
- MongoDB
- PostgreSQL

Cloud Technologies
- DigitalOcean (API hosting, web crawlers)