

Lynx

EXPERIENCE

Data Engineer

02/2018 - 03/2020

- Spearheaded the strategic migration and optimization of traditional data processing frameworks to a cloud-based AWS environment, utilizing services like Redshift, S3, and Lambda to enhance data handling and storage capabilities. Orchestrated robust data pipelines, ensuring a seamless flow and secure storage of information, which ultimately propelled a 45% uptick in data processing efficiency and a cost-saving of 25% in operational expenditures, by eradicating redundancies and enhancing workflow automations.
- Hard skills: AWS Redshift, AWS S3, AWS Lambda, Data Migration, Data Pipelining, Cloud Solutions, Data Optimization.

Data Engineer

05/2020 - Present

- Engineering a pivotal shift towards utilizing Databricks and Apache Spark, addressing current data processing bottlenecks through scalable, optimized workflows. Leading initiatives to refactor and enhance ETL processes, ensuring a 55% increase in data processing speed and bolstering data accuracy and integrity. Utilize Scala for implementing data engineering tasks, ensuring streamlined operations and improved data quality.
- Hard skills: Databricks, Apache Spark, Scala, Optimization, ETL Processes, Data Integrity.

Project: IoT Smart Thermostat

05/2018 - 08/2018

- Collaborated with a startup to develop the software for an IoT Smart Thermostat. Focused on optimizing power consumption and ensuring remote connectivity. Achieved a 15% reduction in device energy usage while maintaining consistent remote data transmission.
- Hard skills: IoT, AWS IoT, RESTful API Integration, RTOS.

Consultancy Project: Autonomous Delivery Robot

09/2021 - 12/2021

- Engaged as an external consultant for a company developing autonomous delivery robots. Developed software routines for basic obstacle avoidance using infrared sensors. The prototype successfully navigated through a controlled environment with a 92% obstacle avoidance rate.
- Hard skills: Robotics, Infrared Sensor Integration, Software Development.

Personal Project: Smart Alarm System

03/2022 - 06/2022

- Worked on a side project to create a smart alarm system for home security. Utilized ARM mbed to control various sensors and actuators, resulting in a functional prototype with features like remote deactivation and intrusion alerts.
- Hard skills: ARM mbed Development, Google Cloud IoT, Sensor Calibration & Integration.

SOFT SKILLS

Self-motivation, Project Management, Analytical Thinking, Adaptability, Problem Solving, Effective Communication, Client Relations.

LANGUAGES

English, Spanish.