JOSE LUIS VALDEZ

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Profile

Data Scientist & AI Engineer with over 3 years of experience implementing predictive models and ETL pipelines. Expert in Python, SQL, and cloud technologies. B.Sc. in Physics and M.Sc. in Process Engineering with a proven record of optimizing operations through data-driven solutions. Passionate about translating complex data into clear strategies, using tools such as Power BI to communicate insights to multidisciplinary teams.

Skills

- **Languages:** Python (Pandas, PySpark, NumPy, Scikit-learn, PyTorch, TensorFlow), SQL, Bash.
- **Tools:** Databricks, Azure Data Factory, Git, Power BI, Tableau, Azure Functions, App Services, PowerShell.
- **MLOps:** CI/CD (GitHub Actions / Azure DevOps), Airflow, Docker, model deployment.
- **Modeling:** CRISP-DM, statistical analysis, time series forecasting.
- **Languages:** Spanish (Native), English C1.

Experience

DXC Technology (Client: PepsiCo)   Aug 2025 – Present
Associate Manager Data Science

- Lead forecasting models and generate credit offer recommendations for PepsiCo's client base, improving credit allocation accuracy and reducing default rates.
- Utilize PySpark and Databricks to develop and deploy scalable data pipelines and predictive models.
- Coordinate cross-functional teams to implement data-driven solutions aligned with business goals.

Bodesa SAPI de CV   Aug 2024 – Aug 2025
Data Scientist

- Deployed more than 5 ML models in production using Python/Docker, improving operational efficiency by 18%.
- Designed A/B tests to optimize the product recommendation engine, resulting in a 8% increase in click-through rates and a 5% uplift in conversion rates for personalized recommendations.
- Designed ETL pipelines with Azure Data Factory, processing over 1TB of transactional data daily.
- Established CI/CD pipelines for automated model retraining, reducing deployment time by 35%.
- Created Power BI dashboards adopted by over 5 departments for real-time decision making.

Education

Master in Process Engineering   GPA: 3.9/4
University of Colima   2022 – 2024

B.Sc. in Physics   GPA: 3.8/4
University of Colima   2018 – 2022

Projects

Customer Intelligence Modeling   2024–2025
RFM clustering plus churn prediction to segment 400k+ retail clients over 36 months.

Retail Price Optimization   2024–2025
Demand/profit curve modeling to optimize pricing across 50k+ SKUs.

Socioeconomic Classification   2024–2025
ML model to predict household socioeconomic levels across Mexican states.