

# Josue Rojas Noble

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## SUMMARY

Detail-oriented Data Engineering Analyst with experience in developing and maintaining data-driven applications to automate ETL workflows. Designed and executed complex SQL queries improving data processing efficiency. Seeking opportunities to leverage Python, AWS, and TypeScript skills in building scalable automation solutions and enhancing operational efficiency.

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## EXPERIENCE

### DATA ENGINEERING, MANAGEMENT & GOVERNANCE SR ANALYST

Accenture

January 2025 – Current, Mexico City

- Develop and maintain internal data-driven applications to automate ETL workflows and support diverse business use cases, including reporting, dashboards, and operational process automation.
- Design and execute complex SQL queries for data extraction, transformation, and loading (ETL) from cloud and on-premise sources.
- Integrate user input into automated pipelines to generate customized outputs tailored to specific departmental needs.
- Build user-facing interfaces using TypeScript to enable seamless interaction with backend data and automate business operations.
- Collaborate with cross-functional business teams to gather requirements and ensure the reliability, usability, and scalability of automation tools.

### ENGINEERING & DIGITAL PRODUCTS ANALYST

Volaris

July 2024 – January 2025, Mexico City

- Acted as Scrum Master for agile initiatives involving digital airline products, ensuring sprint goals and team pacing arrived business deadlines.
- Managed project workflows using Jira, including user stories, bug tracking, and release planning.
- Facilitated communication between cross-functional functional development teams and key stakeholders to ensure alignment on priorities and deliverables.
- Oversaw and coordinated code release cycles, ensuring timely and stable deployment of features.

### FULLSTACK DEVELOPER

TechDetech

November 2023 – July 2024, Mexico City – Remote

- Developed core features for a web platform serving a ticket sales and distribution company, contributing across both front-end and back-end components.
- Designed and implemented custom interactive maps and seating charts to enhance user experience during seat selection.
- Built and managed backend services using AWS AppSync and GraphQL, including database creation and schema design.
- Integrated Stripe for secure online payments and implemented Webhooks to automate post-payment workflows such as reservation confirmations.
- Contributed to test reliability and maintainability by integrating unit tests into the main repository.

### DATA MINING INTERN

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May 2022 – October 2022, Mexico City

- Developed a machine learning model to interpret categorical information using hybrid modeling techniques.
- Conducted data preprocessing, clustering analysis, and dimensionality reduction using Principal Component Analysis (PCA).
- Applied advanced numerical techniques such as IRLBA diagonalization for scalable PCA in high-dimensional datasets.
- Combined traditional algorithms like k-means clustering and random forests to generate interpretable hybrid results.
- Visualized analytical outcomes through custom-built charts and reports for internal stakeholders.
- Utilized Python for model prototyping and R/RStudio for final implementation and presentation.

### JR WEB DEVELOPER

Onikom

December 2021 – March 2022, Remote

- Built modular UI components for an e-commerce platform using React.js and JavaScript.
- Co-developed a custom admin dashboard for business accounting in collaboration with an international team in a fully English-speaking environment.

### JR PYTHON DEVELOPER

Onikom

September 2021 – March 2022, Remote

- Built automation tools using Python, web scraping, and CRON jobs to streamline data collection tasks.
- Supported database operations and infrastructure using AWS services.
- Implemented front-end components within the Django framework for web-based interfaces.

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## PROJECT

## Checkmate

Hackathon Cinco de Mayo, Puebla · February 2025 – February 2025

- 1st place Winner, Mantle Sponsor Track.
- No-wallet implementation for crypto check system.
- Used mainstream technologies such as Next.js + Tailwind.css in addition to Hardhat environment.

## Automaton

Hackathon Cinco de Mayo, Puebla · February 2024 – February 2024

- 1st place Winner in DApp Track.
- Community place Winner in public goods Track.
- Generative art NFT web app for beginners using JavaScript + p5.js

## Axe.xyz

Arbitrum Hackathon, Bogotá · October 2022 – October 2022

- 3rd Place in DeFi Track for hackathon.
- Built a Cross-chain AMM using Web3 & Hop Protocol.
- Leveraged L2 starting Arbitrum.

## Heptagon

ETH Mexico, Mexico City · September 2022 – September 2022

- 2nd Place, Music & Audio Track (Lens Protocol).
- Built a decentralized music service on Polygon using Lens Protocol, similar to Spotify but with web3 as infrastructure.

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## EDUCATION

### B.S. in Applied Mathematics

UNAM – FACULTAD DE CIENCIAS · 2018–2024

### Bilingual Highschool

PREPARATORIA TECMILENIO · Campus Cancún · 2015 – 2018

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## CERTIFICATIONS

### Data Engineering Bootcamp

Xideral · 2025

- Data Engineering Bootcamp focused on AWS as preparation.

### Intro to Machine Learning Course

Kaggle · 2025

### Intermediate Machine Learning Course

Kaggle · 2025

### SCRUM Fundamentals Certified

SCRUM STUDY · 2024

- Certificate ID: 1047700.

### SCRUM for Ops and Devops Fundamentals Certified

SCRUM STUDY · 2024

- Certificate ID: 1012121.
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## SKILLS

Python, Typescript, SQL, R, Java

AWS Cloud Products (e.g., S3, Lambda, Glue)

Data Warehousing (BigQuery, AWS RDS)

Cloud Infrastructure management via Terraform

Predictive Modeling (Regression, time series analysis, clustering)

Data Visualization (Matplotlib, Seaborn, ggplot2)

Machine Learning Modeling (Supervised, Non-supervised, Hybrid)

Front-End Development (React, JavaScript / TypeScript)

API Integration

UI/UX Implementation

Spanish, English, German

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