

ALEJANDRO MEDERO LUJÁN

Software Developer

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WORK EXPERIENCE

JAVA DEVELOPER | IBM (Citibanamex)

June 2024 - April 2025

- Integrated a REST API to call a third-party system for real-time transaction analysis to detect potential fraud, optimizing the process by adding an hourly API call to streamline indicators retrieval.
- Conducted thorough testing using Postman and ensured smooth deployment while monitoring logs via Pivotal Cloud Foundry for prompt issue resolution.
- Enhanced fraud detection in cardless withdrawals and airtime recharges, significantly improving transaction security and user protection.

JAVA DEVELOPER | IBM (Citibanamex)

May 2023 - June 2024

- Identified and updated over 20 outdated dependencies with security vulnerabilities using Blackduck, reducing risks and increasing system reliability.
- Analyzed project dependencies to confirm usage, removed unused components, and ensured compatibility with the latest versions of Java, Spring, and other frameworks.
- Successfully minimized disruption by prioritizing high-risk updates and coordinating changes over a year-long effort.

SKILLS

Java, Python, C/C++, SQL, NoSQL, Microservices, REST, Postman, Git, Bitbucket, Confluence, Jira, Data Structures, Algorithms, Agile Methodology

Creative, Collaborative, Responsible, Scalable solutions, Decision making, Mutual respect, Open-minded

CERTIFICATES AND ACHIEVEMENTS

AWS Cloud Practitioner

04/04/25

Basic knowledge of cloud concepts, core AWS services, and AWS management and governance features and tools.

IBM Agile Explorer

13/09/23

Understand the values, principles and practices of Agile.

Enterprise Design Thinking

2022

Knowledge of the application of enterprise design thinking and its value. Find opportunities to put it into practice in your daily work.

HackMX - Quantum

2021

Second place building a simulator platform to carry out presidential votes.

Basic Algorithms Club

2020

Knowledge and application of basic algorithms and data structures.

EDUCATION

Tecmilenio

Master in Artificial Intelligence
May 2024 - Current

Escuela Superior de Cómputo

Bachelor in Computer Science
August 2017 - December 2023

LANGUAGES

Spanish Native

English Intermediate - B2