José A. Medina Tirado

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OBJECTIVE:

Dedicated to securing a challenging role that fosters professional growth and aligns with organizational objectives.

SUMMARY:

Detail-oriented Software Developer and Data Analyst with experience particularly in C++, C, and Python. Proven ability to leverage data for business insights, combining skills in statistical analysis, data visualization, and data manipulation. Experienced in using tools such as Python, SQL, and Excel. Eager to apply software development expertise in a collaborative team environment to drive data-driven decision-making and problem-solving. Committed to maintaining precision and accuracy in every analysis, ensuring high-quality outcomes.

PROFESSIONAL EXPERIENCE:

2023 - Biomedical Engineering Capstone Project
Polytechnical University of Puerto Rico

- Developed a Canine Health Monitor application with an embedded system using Python and C-like language with Arduino Uno for a time-sensitive Capstone project.
- Successfully completed the development phase within one month.

1996– Present - Supermercado Agranel/ Econo Supermarket, Aguada, P.R. / Aguadilla, P.R.
IT Developer/Administrator

- Extract sales and product information from SQL databases to provide valuable data-driven decision-making insights for the organization.
- Created an Inventory Control System from scratch using Microsoft Access Database and C, significantly improving inventory management efficiency.
- Perform troubleshooting and maintenance of computer hardware and software, ensuring uninterrupted operation.
- Monitor the DVR system to record and address important events.
- Administer system network, ensuring seamless computer connectivity.
- Conduct bank reconciliation using QuickBooks to maintain financial accuracy.
- Conduct regular inspections of the supermarket, ensuring customer and employee satisfaction and resolving any issues.

1990 – 1996 - AT&T, Piscataway, New Jersey
IMS Member (System Developer)

- Conducted daily data testing using JCL code on an IBM mainframe, with a primary focus on maintaining COBOL and C language programs for data analysis and processing.
- Developed and maintained COBOL and C language programs for the AT&T report and reconciliation group.
- Played an integral role in all phases of the Software Development Life Cycle (SDLC), from requirements analysis and design to development, testing, deployment, and maintenance.

SKILLS:

Microsoft Access
QuickBooks Enterprise 2023
Microsoft SQL Server
Microsoft Office
Visual Studio 2010 (VB, C#, C)
Linux
Python
C++
Power Bi

EDUCATION:

University of Puerto Rico,
Bayamón – May 1990
BS – Computer Science