

Rubi Villanueva Molina

Data Analyst | Data Engineer | Programmer | Junior Oracle DBA
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PROFESSIONAL SUMMARY

Programmer, Data Engineer, and Junior Oracle DBA with expertise in **database management, scripting, and software development** to optimize data workflows and system performance. Skilled in **Python, SQL, PL/SQL, and automation**, with a strong foundation in **Oracle Database administration, performance tuning, and application development**. Passionate about leveraging **scripting, backend development, and database optimization** to drive efficiency and innovation.

EDUCATION

Tecnológico de Monterrey

B.S. Industrial Engineering with minor in Systems Engineering

Guadalajara, Mexico

August 2019 - June 2023

PROFESSIONAL EXPERIENCE

Junior Oracle DBA | Paypal

Tata Consultancy Services

Guadalajara, Mexico

October 2023 - Present

- Develop and maintain Python and SQL scripts for database automation and system optimization.
- Administer Oracle Databases (10g to 23c), including user management, backup & recovery (RMAN), and database tuning.
- Design and optimize stored procedures, triggers, and functions in PL/SQL for application development.
- Manage high-availability environments with Oracle RAC, Multitenant (CDB/PDB), and GoldenGate for replication.
- Implement data security policies and performance enhancements using Oracle Enterprise Manager (OEM).

Credit & Collections | Direct Collection Analyst I Global (Represent more data experience)

Guadalajara, Mexico

Subway PO's System at Hewlett-Packard Company (HP)

August 2023 – October 2023

- Developed **automated data analysis solutions using Excel VBA**, reducing processing time by 40%
- Manage financial data modeling for decision making, arranging and preparing reports for customer's receivables delinquency and determines type of communication method.
- Implemented predictive analytics models to identify non-payment patterns and optimize collection strategies

Credit & Collection | Intern

Guadalajara, Mexico

Credit Project at Hewlett-Packard Company (HP)

September 2022 - August 2023

- Designed automated weekly reporting systems through macros, reducing report generation time by 60%
- Analyzed payment trends and patterns across 500+ customer accounts to identify optimization opportunities

Kaizen Freight-in improvement | COOP

Guadalajara, Mexico

"Flex LTD." & "Tecnológico de Monterrey"

August 2022- December 2022

- Implemented PDCS Methodology to identify the main offenders in the Plastics building freight-in process, resulting in a 15% increase in Controllable Operating Profit.
- Developed an automated data pipeline to audit transportation costs, saving \$8,758.56 USD per month.
- Led process optimization initiatives, reducing expedited freight costs by \$15,328.08 USD monthly.

TECHNICAL SKILLS

- **Programming & Scripting:** Python (Pandas, NumPy, Matplotlib, Seaborn, Sklearn), SQL, PL/SQL, Bash, PowerShell, VBA (Macros)
- **Database Management:** Oracle Database (10g to 23c), RMAN, Oracle RAC, Multitenant (CDB/PDB), Oracle Enterprise Manager (OEM), Oracle GoldenGate
- **Data Analysis & BI:** Tableau, Power BI, Excel (Pivot Tables, Solver, Regression, Forecasting), Minitab.
- **Tools & Environments:** GitHub, FlexSim, Vensim.
- **Process Improvement:** Lean Six Sigma, Kaizen, Agile methodologies.

CERTIFICATIONS

TripleTen | Data Analyst

Online

Portfolio: Developed over 14 projects, applying data analysis skills to real-world scenarios

September 2024 - In Progress

International Lean Six Sigma | White Belt - Black Belt

Online

Process improvement, waste reduction, and data-driven decision-making for operational efficiency.

May 2024 - In Progress

Data Science ALETIA Bootcamp | Data Analyst

Online

Python Fundamentals for Data Analysis, SQL Fundamentals for Data Analysis, Tableau

September 2023 - December 2023

LANGUAGES

- Spanish (Native), English (Advanced), French (DELF A1)

SOFT SKILLS

Problem-Solving | Analytical Thinking | Self-Learning | Time Management | Cross-functional Collaboration | Software Development Best Practices