

Daniel Alejandro Morales Castillo

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PROFESSIONAL SUMMARY

Software Engineer with experience in web development, database administration, and ERP process optimization. Passionate about data analysis and data engineering, with expertise in data modeling, transformation, and visualization to drive strategic decision-making. Solid understanding of the software development lifecycle, from analysis and design to implementation, maintenance, and continuous improvement. Skilled in developing efficient and scalable technological solutions.

EDUCATION

Bachelor's Degree in Software Engineering

Autonomous University of Zacatecas "Francisco Garcia Salinas", Zacatecas, Mexico

August 2018 – December 2023 (Degree awarded October 2024)

PROFESSIONAL EXPERIENCE

Junior Software Engineer | Artexa (Remote, Monterrey, NL)

Jun 2024 - Mar 2025

- Optimized Microsoft Dynamics 365 Business Central to efficiently manage key organizational processes.
- Developed custom extensions using AL language and optimized database structures.

Junior Software Engineer | LABSOL - COZCyT (Zacatecas, Mexico)

Ene 2024 - May 2024

- Developed the Planning System for COZCyT, integrating data registration, budget planning, projections, and event management.
- Technologies: Django, MySQL, Docker, Bootstrap.

Programming Intern | Flex (Guadalajara, Mexico)

Sep 2023 - Dec 2023

- Developed and maintained systems in industrial environments, including Poka-Yoke solutions to ensure process quality and error prevention.
- Created Excel macros to automate repetitive tasks and improve administrative and operational workflows.
- Built interactive reports using Power BI, providing key data visualizations for informed decision-making.
- Managed and executed SQL queries for data analysis and to support various internal teams.
- Provided technical support and communication with international teams (India - GBS) to ensure the proper operation of shared systems.

Software Engineer Intern | LABSOL - COZCyT (Zacatecas, Mexico)

Sep 2022 - May 2023

- Led the development of an innovative technology project for the Zacatecas state government.
- Designed and deployed a cultural information platform for the Zacatecas Cultural Institute (IZC).
- Technologies: Django, MariaDB, Docker, Bootstrap, Google Maps API.

TECHNICAL SKILLS

- Programming Languages:** Java, Python (3 years))(NumPy, Mathplotlib, Pandas), Javascript, C, C++ (2 years), R (1 year), Visual Basic.
- Databases:** MySQL, MariaDB, SQL Server, PL/SQL, T-SQL (3 years), Db2.
- Web Development:** Django, Bootstrap, HTML, CSS (2 years), React
- Tools & Technologies:** Docker, Git, GitHub, GitLab, Power BI (2 years), Microsoft Dynamics 365 Business Central (ERP), RStudio, Microsoft 365, Azure DevOps, Selenium.
- Operating Systems:** Linux, Windows, Mainframe z/OS.

EXTRACURRICULAR ACTIVITIES

Microsoft Learn Student Ambassador

- Organized projects and events to share and educate about key technology topics.
- Provided mentorship and collaborated with over 200 student ambassadors to expand community impact.

IBM zSystems Student Ambassador Captain

- Partnered with industry professionals to drive IBM community engagement.
- Speaker at IBM zDay 2022, presenting the session "IBM zStudent Contest Accelerator – Hands-On Technical Session in Spanish", reaching over 114 countries and 22,000 attendees worldwide.

CERTIFICATIONS & RECOGNITIONS

Certifications: Microsoft Certified Azure (AZ-900), Scrum Foundation Professional Certificate SFPC, IBM zSystems Global Student Explorer/Contributor, Agile Explorer, IBM zDay Speaker Advocate – 2022, Oracle Next Education graduado generación 3.

Courses & Badges : AWS Academy Graduate, IBM Z Xplore – Concepts/Advanced, Enterprise Design Thinking Practitioner/Co-Creator, IBM Agile Explorer, Interskill - Zowe Fundamentals, IBM Mainframe Application Programmer - Db2 V12 SQL Coding, Data Structures UC San Diego, IBM Data Science, Agile Software Development, y otros.