Daniel Alejandro Morales Castillo

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Software Engineer with experience in web development, backend development, and database administration. Dedicated about data analysis and data engineering, with strong skills in data modeling, transformation, and visualization to support strategic decision-making. Solid understanding of the software development lifecycle, from analysis and design to implementation, maintenance, and continuous improvement.

PROFESSIONAL EXPERIENCE

Software Developer | Artexa (Remoto, Monterrey, NL)   Jun 2024 - Mar 2025

- Optimized Microsoft Dynamics 365 Business Central to improve efficiency in managing key processes used by 50+ employees.
- Developed custom extensions using AL language and and improved database performance by 20%, reducing downtime and errors.

Jr Software Engineer| LABSOL - COZCyT (Zacatecas, Mexico)   Jan 2024 - Jun 2024

- Developed the Planning System for COZCyT, streamlining data registration, budget planning, and event management for 30+ users, improving operational efficiency by 45%.
- Documented project architecture and workflows, facilitating easier onboarding for future developers.

Programming Intern | Flex (Guadalajara, México)   Sept 2023 - Dec 2023

- Engineered Excel macros automating data entry and validation processes for 15+ administrative tasks, decreasing processing time by 60% and minimizing data entry errors by 25%.
- Built interactive reports using Power BI, providing key data visualizations for informed decision-making.
- Managed and executed over 100 SQL queries to analyze operational data, contributing to more informed business decisions.

Sotware Engineer Intern | LABSOL - COZCyT (Zacatecas, México)   Sept 2022 - Jun 2023

- Led technological innovation projects to address real-world challenges in the state of Zacatecas, generating a positive social impact.
- Built a digital platform for the Zacatecas State Secretariat of Culture (IZC), centralizing and disseminating cultural data from 45+ cultural institutions using Django, MariaDB, Docker, Bootstrap, and Google Maps API. Technologies used: Django, MariaDB, Docker, Bootstrap, Google Maps API.

TECHNICAL SKILLS

Programming Languages: Java, Python (NumPy, Matplotlib, Pandas), JavaScript, C, C++, R, Visual Basic.
Databases:MySQL, MariaDB, SQL Server, IBM Db2; T-SQL, PL/SQL.
Web Development: Django, Bootstrap, HTML, CSS, React.
Tools: Azure, Docker, Git, GitHub, GitLab, RStudio, Microsoft 365, Azure DevOps, Selenium.
Business Intelligence: Power BI, Tableau.
ERP and Enterprise Management: Microsoft Dynamics 365 Business Central.
Operating Systems: Linux, Windows, Mainframe z/OS.

EDUCATION

Bachelor's Degree in Software Engineering
Autonomous University of Zacatecas "Francisco Garcia Salinas", Zacatecas, Mexico

CERTIFICATIONS & RECOGNITIONS

Certifications:
- Data Analysis Google Professional
- Microsoft Certified Azure (AZ-900),
- Scrum Foundation Professional Certificate SFPC

Recognitions: Student Ambassador
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.