

Daniel Alejandro Morales Castillo

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PROFESSIONAL SUMMARY

Software Engineer with experience in backend development, enterprise applications, and software solutions across different industries. Skilled in designing, developing, and maintaining scalable systems using modern technologies and best software engineering practices. Strong understanding of the software development lifecycle, from analysis and architecture to implementation, testing, deployment, and continuous improvement. Passionate about building reliable, high-quality solutions, solving complex technical problems, and continuously learning new technologies.

EDUCATION

Bachelor's Degree in Software Engineering

Autonomous University of Zacatecas "Francisco García Salinas" — Zacatecas, Mexico (2023)

PROFESSIONAL EXPERIENCE

Software Engineer | Oracle (Hybryd, Guadalajara, Mexico)

September 2025 - Present

- Developed and maintained enterprise-level financial applications within Oracle Fusion Financials Accounts Receivable (AR).
- Developed and maintained backend services for Oracle Fusion Financials AR, supporting enterprise-scale financial transaction processing used by global customers.
- Collaborated with cross-functional teams following enterprise software development practices.
- Leveraged AI-assisted development tools (Codex-based workflows) to accelerate bug investigation, debugging, and enterprise issue resolution in Oracle Fusion environments.
- Improved development efficiency by using AI-assisted code analysis and solution generation for production fixes and backend maintenance tasks.

Software Developer | Artexa (Remoto, 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.

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

- 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, 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) that centralizes and disseminates cultural information about the state.
- Technologies used: Django, MariaDB, Docker, Bootstrap, Google Maps API.

TECHNICAL SKILLS

- Programming Languages:** Java, Python (NumPy, Matplotlib, Pandas), JavaScript, C, C++.
- Backend & Enterprise Technologies:** REST APIs, Oracle ADF, Oracle ADE, Django, Microsoft Dynamics 365 Business Central
- Databases:** MySQL, MariaDB, SQL Server, IBM Db2, PL/SQL, T-SQL
- Frontend Development:** React, HTML, CSS, Bootstrap
- Cloud & Dev Tools:** Azure, Docker, Git, GitHub, GitLab, Azure DevOps, Selenium
- Data & Analytics:** Power BI, Tableau, Pandas, NumPy, Matplotlib

CERTIFICATIONS & RECOGNITIONS

Certifications

- Google Data Analytics Professional Certificate
- Microsoft Certified Azure Fundamentals (AZ-900)
- Scrum Foundation Professional Certificate (SFPC)

Recognitions

- 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.
 - Partnered with industry professionals to drive IBM community engagement.
- 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.