

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 2 | Oracle (Hybrid, Guadalajara, Mexico)

September 2025 - Present

- Own end-to-end development and maintenance of backend services within Oracle Fusion Financials Accounts Receivable (AR), supporting financial transaction processing for enterprise customers globally.
- Investigate, debug, and resolve production issues in Oracle Fusion environments, integrating AI-assisted workflows (Codex) as a core part of the daily development process to speed up root-cause analysis and fix delivery.
- Partner with cross-functional teams throughout the enterprise SDLC — from issue triage through deployment — to ship reliable fixes for a mission-critical financial system.
- Apply AI-driven code analysis to identify patterns across recurring production issues, streamlining maintenance work and reducing time spent on repetitive debugging tasks.

Software Developer | Artexa (Remote, Monterrey, NL)

Jun 2024 - Mar 2025

- Optimized Microsoft Dynamics 365 Business Central to streamline key organizational processes across finance and operations.
- Designed and implemented custom AL-language extensions, improving database structures and system maintainability.

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

Jan 2024 - Jun 2024

- Built the Planning System for COZCyT from the ground up, streamlining data registration, budget planning, and event management for 30+ users and improving operational efficiency by 45%.
- Documented project architecture and workflows, enabling faster onboarding for future developers.

Programming Intern | Flex (Guadalajara, Mexico)

Sept 2023 - Dec 2023

- Automated repetitive administrative and operational tasks by building Excel macros, reducing manual processing time across teams.
- Built interactive Power BI reports, delivering key data visualizations that informed team decision-making.
- Managed and executed SQL queries to support data analysis for multiple internal teams.
- Provided technical support and cross-team communication with international teams (India - GBS), ensuring smooth operation of shared systems.

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

Sept 2022 - Jun 2023

- Led technological innovation projects addressing real-world challenges across the state of Zacatecas, driving positive social impact.
- Built and deployed a digital platform for the Zacatecas State Secretariat of Culture (IZC) centralizing and disseminating cultural information statewide, using Django, MariaDB, Docker, Bootstrap, and 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
- AI-Assisted Development:** Codex-based workflows for debugging, code analysis, and issue resolution
- 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.

IBM zSystems Student Ambassador Captain

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