

Daniel Alejandro Morales Castillo

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EDUCATION

Zacatecas, Mexico	Universidad Autónoma de Zacatecas “Francisco García Salinas“	2018 - 2023
B.S. in Software Engineering, GPA 85/10 Relevant Courses: Software engineering, Software architecture, Software quality QA, Data structures and Algorithms, Project Management, Agile Software Methodologies, Personal Software Process (PSP), Team Software Process (TSP), Analysis and Design of Algorithms, Software Requirements Engineering, Database Systems, Analysis and Design of User Interfaces, Testing.		

PROFESSIONAL EXPERIENCE

LABSOL - COZCyT, Zacatecas, Mexico	Sep 2022 - May 2023
Software Engineer Intern Developing technological innovation projects to solve problems in the state of Zacatecas in Mexico. Development of a platform for the department of culture of the state of Zacatecas (IZC) to provide cultural information of the state. Django, MariaDB, Docker, Bootstrap, API Google Maps.	

Flex - Guadalajara, Mexico	Sep 2023 - Dic 2023
Programming Intern Reporting and Activity Support - Systems maintenance / Jobs Development of Pokayokes – Coordination of work teams in India (GBS) Troubleshooting - Database maintenance - System configuration for new customers and User - Engineering Change Management (ECOS) - Item Registration Management.	

SKILLS

Programming Languages: (proficient): Java, Python, (familiar): C, C++.

Technologies: (proficient)Structured Query Language (SQL), PL/SQL, T-SQL, MySQL, MariaDB, PowerBI (DAX, Dashboards), Django, HTML, Bootstrap, CSS, Git, GitHub, GitLab (familiar) Microsoft Azure, R, RStudio, Mainframe Systems z/OS, Db2 V12 SQL, ZOWE, Linux, Windows, Microsoft Office 365(Excel, PP, SharePoint,) Terminal.

PROJECTS

Cultural Information System - Institute of culture of the state of Zacatecas
Software development, web platform for the control of Cultural Information of the State of Zacatecas.
Django, MariaDB, Docker, Bootstrap, Google Maps API.

Databases and SQL Scripts – Databases of different topics, Hospital, Car sales, Shops, etc.
- Structured Query Language (SQL), Oracle SQL, MySQL, Excel.

Data Structures Projects – Programming of Data Structures in Programming Languages
- Java, Python, C++.

Data analysis and Neural Networks - Extraction, transformation and loading of information, design of a data warehouse and analysis of information obtained from SQL-type statements based on the log files (access.log) Moodle; Real estate price prediction neural network from China dataset/rainfall prediction from NASA dataset, Data Warehouse.
- R, RStudio, Excel / SQL, Power BI y Python.

EXTRACURRICULAR ACTIVITIES

Beta Microsoft Learn Student Ambassador
Initiated projects and organized events to share and educate on relevant topics.
Mentored and collaborated with 200+ Student Ambassadors to expand community impact.

IBM zSystems Student Ambassador Captain
Partnered with industry professionals to drive impact in the IBM community.
Presented as a speaker at the IBM zDay event, delivering the talk "IBM zStudent Contest Accelerator – Hands-On Technical Session in Spanish," reaching 114+ countries and engaging over 22,000 attendees worldwide.

Talent Network Ambassador
Collaborated with Mexican talents and contributed to preparations for key technological events in the country.

Mentor at UAZ - Elementary School, Middle School, and College
Instructed students in computer science, flow charts, and Scratch programming.
Assisted upper-level students in subjects like calculus, databases, and programming.

Oracle Next Education Participant
Executed programming projects in Java.
Created web projects utilizing HTML, CSS, and JS.

UAZ Competitive Programming Club
Represented the university in the "Gran Premio de México ICPC" contests in 2019, 2020, and 2022.

CERTIFICATIONS AND HONORS

Microsoft Certified Azure (AZ-900), Scrum Foundation Professional Certificate SFPC, IBM zSystems Global Student Explorer/Contributor, Agile Explorer, IBM zDay Speaker Advocate – 2022.

Courses and 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, and others.