

Marcos Dayan Mann

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Education

Tecnológico de Monterrey

B.S. Computer Science and Technology Engineering

Aug 2022 - Expected June 2026

- Current 95 / 100 GPA
- Academic Excellence Recognition

Experience

Nubosoft - Software Engineering Intern, Mexico City

Feb 2024 - Present

CRM & ERP System - Backend and Applied Research

- Optimized CRM processes by collecting lead data and generating actionable metrics and automating meetings and quotes, to guide the sales team on client engagement, resulting in a 25% increase in client capacity.
- Integrated Google Cloud APIs, including Cloud Storage, People and Calendar, with ASP.NET MVC and JavaScript
- Applied Research and custom projects with Python VertexAI SDK, Agent Builder and Dialogflow CX.

Alegro Montessori - Project-Based Contract, Mexico City

Custom-Built Dashboard - Transformed Operational Workflow

Feb 2024 - June 2024

- Transformed Alegro Montessori's analog based administration with an ERP built on Next.js and PostgreSQL.
- Improved the daily operation of a five hundred student school with more than a hundred parent and admin profiles
- Implemented role-based authorization and authentication using Google OAuth2 provider, Cloud Storage API and CI/CD pipeline with Cloud Build and Cloud Run reducing deployment time by 75%, enabling seamless updates.

Projects

Meetcode - [Deploy](#) [GitHub](#)

May 2024 - June 2024

- Boosted learning and interaction among developers by enabling dynamic room creation for multi-user live streaming and screen sharing, Built on Next.js and PostgreSQL and powered by Stream.io's Video SDK.
- Deployed with a CI/CD Cloud Build and Cloud Run with a push trigger workflow improving continuous delivery

Ship Invasion - [Deploy](#) [GitHub](#)

Feb 2024 - Apr 2024

- Developed a battleship-like 3D video game using Unity Engine, Express.js and MySQL.
- Match gameflow implementation with a Deterministic Finite Automaton algorithm.

Tasq - [Deploy](#) [GitHub](#)

Nov 2023 - Jan 2024

- Developed an enterprise web application built in ASP.NET Core MVC and JavaScript for task management across multiple locations, deployed on GCP via Docker and Cloud Run.

Operator - [Back GitHub](#) [Front GitHub](#)

Oct 2023

- Helped emergency services operators in Mexico, classifying natural-language tokens into categories with AssemblyAI reducing by 50% the decision-making time by leading the development of the web-based system for THALES at the HACKMX2023 (Hackathon), using React.js and Flask

Dayan's Finance - [GitHub](#)

Aug 2023

- Buy, sell and watch stocks using the IEX API for retrieving the Stock data and storing history and transactions.
- Stock portfolio for trading Web Application developed with Flask and SQLite3.

Skills and interests

Technical Skills: Python, C#, JavaScript, TypeScript, C++, SQL.

Certifications: Google Cloud Computing Foundations, CS50x, CS50P, Algorithmics Certified Python Teacher.

Spoken Languages: English (B2) and Spanish (native).

Interests: Cloud Computing, Serverless and Microservices Scalable Computing Architectures, Soccer, Drums playing.