Adán Alejandro Sánchez

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Software Developer with 5 years of experience. Leader of Backend in AIA Partners optimizing response times around 30% and habilitating core functionalities, developed a platform that handles projects and budgets, ensuring transparency of information and reducing operative costs around 15% while integrating pre-existing API's.

PROFESSIONAL EXPERIENCE

Bitcat Services   **San Luis Potosí, México**
Javascript Web Developer   *March 2024–Current day*

- Development of a FullStack platform that implements internal API's with the API of CROL to manage projects budget and optimize the time that takes to request materials for each project around 40%, also allowing to visualize the budget and enhance the purchase.
- Implementation of CI/CD practices to improve software delivery, reducing build errors, time responses and deployments around 80% by using Github Actions & Docker.
- Dockerization of existing systems, reducing around 50% errors related to non standardized development environments.
- Leadership of the development of a web application that handles company quotations, reducing 100% costs related to proprietary quotation software.
- Deployment and administration of Proxmox clústers for virtualizing Operative Systems and deploying web applications, allowing monitoring the stability and online time, reducing the risk of errors.
- Integration of web systems with PLC's inside network cabinets for maintenance, monitoring and 4.0 Industry environments.
- Development of web application ports to Windows desktop apps to facilitate distribution, allowing the desktop app to access the same resources as the web app.

Cooperative Computing   **San Luis Potosí, México, Remote**
FullStack Intern   *September 2023–March 2024*

- Development of visual interfaces to improve user's experience of proprietary applications.
- Implementation of automatization with Github, optimizing code's formatting and implementing custom repository's code standard rules.

AIA Partners   **San Luis Potosí, México**

BackEnd Lead Developer   *June 2022–September 2023*

- Implementation of Replica Sets on MongoDB databases, ensuring 100% of data integrity.
- Development of Backend architecture for Fintech, using NodeJs and Express, reducing time response around 30% and reducing errors by 40%.
- CronJobs implementation for automating scripts and internal Backend functionalities according to requirements.
- Development of encryption functionalities and file storage with sensible information, ensuring their protection and correct use.
- Support and capacitation of users and administrators for the correct usage of the software.
- Coordination and training of equipment for a complete and functional development, expanding system capabilities and accelerating product delivery.

Píxel & Byte   **San Luis Potosí, México**

Social Service   *June 2022–December 2022*

- Development of a DCOM image to JSON converter without loss of data. Enhancing AI's training to detect diseases in early stages .
- Development of a NodeJs server capable of executing Python scripts, improving the speed of conversions and allowing to handle data up to 10 times bigger.

Universidad Politécnica de San Luis Potosí   **San Luis Potosí, México**

Freelance videogame development   *November 2021–March 2022*

- Development of an educational videogame with Javascript and RPG Maker, focused on teaching marketing processes for the "Semana LAG 2022".
- Implementation of Javascript scripts that allows the user's interface to work correctly, optimizing and improving the user's experience.
- Integration of a scoring system according to the player's knowledge and their performance in the system.

EDUCATION

UNIVERSIDAD AUTÓNOMA DE SAN LUIS POTOSI   **San Luis Potosí, México**
Intelligent Systems Engineering.   *June 2023*

TECHNICAL SKILLS

- BackEnd: NodeJs, Express, NestJs, Laravel
- FrontEnd: React, Angular, Javascript, Typescript, HTML, CSS, TailwindCSS
- Desktop & ports: Electron
- Databases: MongoDB, PostgreSQL, MySQL, MariaDB
- DevOps: Github Actions, Docker, Git, Github, Proxmox
- Tooling: Postman, Figma, JMeter.

SOFT SKILLS

- Equipment management, staff training.
- Project planning and team work..
- Leadership, adaptability and problem solving.
- Native in Spanish, conversational in English and initiated in French.

CERTIFICATIONS

- Nest: Scalable BacEnd Development – Udemy (2025)
- Javascript from zero to hero – Udemy (2023)
- PHP Laravel from zero to hero – Udemy (2024)
- React the complete guide – Udemy (2023)
- Node: From zero to hero – Udemy (2023)
- Agile hands on worksop – ANUIES TIC (2023)
- Blockchain Seminary – ANUIES TIC (2023)