

Ramiro Alvarez

I am passionate about technology, music, and video games. I enjoy all areas of computer science, but I have focused more on Full Stack Web Development. I have experience working on projects for small businesses.

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EXPERIENCE

VAGABE, Guadalajara — Web Developer

JUNE 2023 - PRESENT

Responsibilities:

- Equipment Maintenance and Server Administration:**
 - Led the management and maintenance of equipment, ensuring optimal performance and continuous availability of resources.
 - Administered servers to ensure a stable development and production environment.
- Development and Maintenance of the Scheduling System:**
 - Contributed significantly to the development of a scheduling system for the Centro Universitario de Ciencias Exactas e Ingenierías.
 - Utilized technologies such as PHP and JavaScript to implement key functionalities.
 - Designed and developed the capability for room and laboratory reservations, enabling users to perform create, read, update, and delete (CRUD) operations on reservations.
 - Personally took responsibility for the ongoing maintenance of the system, ensuring its efficiency and error correction.

Highlighted Achievements:

- Optimization and Continuous Improvement:**
 - Implemented significant improvements in the scheduling system, increasing efficiency and usability.
 - Introduced effective coding practices resulting in reduced loading times and an enhanced user experience.
- Effective Handling of Updates and Patches:**
 - Coordinated the implementation of updates and patches to ensure the security and continuous performance of the scheduling system.
- Positive User Feedback:**
 - Received positive feedback from end-users for the intuitive and reliable functionality of the system,

SKILLS

Collaboration.
Continuous Learning.
Empathy.
Time Management.
Professional Ethics.
Active Listening.
Team Leadership.

RECOGNITIONS

Programación para jóvenes:
START Web Programming
Course at PLAi.

CCNAv7: Introducción a
Redes Cisco Networking
Course.

Interland Google Online
Security Course.

Proulex Diploma
Universitario English B2
Level.

LANGUAGES

English B2

Spanish Native

contributing to customer satisfaction.

Good Idea, Guadalajara — Database Administrator

NOVEMBER 2021 - FEBRUARY 2022

Responsibilities:

1. **Database Administration:**
 - a. Efficiently managed the databases for the mobile accessories store, ensuring the integrity and availability of essential information for the business's operations.
2. **Optimization of Product Registration:**
 - a. Implemented significant improvements in the product registration process, optimizing the database structure to streamline the insertion and updating of information, contributing to more efficient management of the product catalog.
3. **Development of Inventory CRUD System:**
 - a. Led the design and development of a comprehensive inventory management system based on PHP (LAMP stack. Linux, Apache, MySQL, PHP). This system, currently open source, allowed precise real-time control of product stock, improving decision-making and reducing potential discrepancies in inventory.
4. **Problem Resolution:**
 - a. Diagnosed and effectively resolved issues related to database management, ensuring operational continuity and minimizing impacts on daily operations.

Highlighted Achievements:

1. **Improved Operational Efficiency:**
 - a. The optimization of the product registration process led to a significant reduction in the time needed to add or update new products, enhancing the operational efficiency of the team and enabling a faster response to market demands.
2. **Increased Inventory Transparency:**
 - a. The implementation of the inventory system not only facilitated tracking and control of stock but also improved transparency in operations, reducing human errors and providing a clearer view of product availability.

EDUCATION

Escuela Politécnica, Guadalajara — Tecnólogo Profesional

AUGUST 2020 - MAY 2024

Relevant projects:

1. Demeter

- a. Description: Job search application.
- b. Project Type: Teamwork.
- c. Technologies Used: Next.js, Node.js, React, JavaScript, RESTful API.

2. Sound Flower

- a. Description: Web application for music streaming.
- b. Project Type: Teamwork.
- c. Technologies Used: LEMP (Linux, Nginx, MySQL, PHP).

3. inventory.java

- a. Description: Inventory management application.
- b. Project Type: Individual project.
- c. Technologies Used: Java, Object-Oriented Programming.

P-TECH, Guadalajara — IBM

AUGUST 2020 - MAY 2024

Relevant projects:

1. Hexagon

- a. Description: Job search application.
- b. Project Type: Teamwork.
- c. Technologies Used: Django, Python, Django Rest Framework, PostgreSQL, Nginx, Docker

PROJECTS

passmgr.py — *Password Manager*

PassMgr is a Python-based password manager, ensuring secure storage and management. The CLI allows creating, reading, updating, and deleting password entries. Users can manually create or generate random passwords, access and manage entries. A master password is essential for secure access. PassMgr provides a robust and flexible password management solution.

MeowScript — *EsoLang*

MeowScript (MSC) is an esoteric programming language with a C-based interpreter. Inspired by cat sounds, it uses "meow" to increment ASCII, "hiss" to decrement, and "purr" to output characters. Contributions are welcome on GitHub, and it's licensed under MIT.

ShieldCipher — *Cyber Security Python Library*

A fork from **passmgr.py** converted in a Python Library