CARLOS MORALES

COMPUTER ENGINEER

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https://moralesmortales.github.io/professional/

SUMMARY

Computer Engineering with knowledge in **software development**, and **data integration**, **process automation**, and **system optimization**. Proven track record of **reducing operational bottlenecks**, including a **160-hour monthly savings in manual HR Payroll tasks** through automation. Expert in Python, SQL, and JavaScript, with a strong focus on building tools that enhance **decision-making** and **operational efficiency**.

PROFESSIONAL EXPERIENCE

MSM ENTERPRISE, Software Engineer / Back-End Team Lead   **Mar 2025 – Currently**

- **Spearheaded** the design and execution of technical project plans for assigned client projects, ensuring the team followed an optimized engineering roadmap and maintaining strict internal delivery standards.
- Engineered scalable RESTful APIs using **Django (Python)** and **Node.js (JavaScript)** to handle high-volume data requirements for multiple concurrent projects, enabling seamless and efficient inter-system communication.
- Designed and managed robust relational databases **(MariaDB/MySQL)** for various client solutions, optimizing schema and complex queries to ensure high data integrity and rapid retrieval speed.
- Provided technical guidance and mentorship to the development team, directing tasks and processes to accelerate project velocity and maintain high-quality internal delivery metrics.

Fundación del Niño, Software Development   **Sep 2024 – Feb 2025**

- Led end-to-end development of a Windows Desktop Application utilizing **Python** and the PyQt framework, taking full project ownership from inception to deployment.
- **Automated** crucial HR and payroll functions, replacing time-intensive manual processes to directly benefit **500 employees** and management, resulting in an estimated savings of **160 staff hours monthly**.

Karanta, Software Development Lead (Back-End Focus)   **Jul 2024 – Sep 2024**

- **Directed** overall team output and development workflow through mentorship and technical guidance, ensuring the successful delivery of high-quality, client-facing solutions.
- Developed and maintained core web application components leveraging **Vue.js**, **TypeScript**, and **JavaScript** while focusing on integration and back-end logic.

EDUCATION

Bachelor of Science in Computer Engineering (CE) - Universidad Gran Mariscal de Ayacucho
Barcelona, Anzoátegui, Venezuela │ 2022 - 2026

- Expected Graduation: June, 2026

TECHNICAL SKILLS

Back-End/Frameworks: Python (Django), Node.js (Express)
Front-End/Frameworks: React, Vue.js, TailwindCSS
Data Analysis: Power BI, MS Office, Data Schema Design, Excel.
Languages/Front-End: JavaScript, TypeScript, HTML5, CSS3
Databases: MySQL, MariaDB, SQL, PostgreSQL
DevOps/CI/CD: Docker, GitHub Actions, Git, Linux
IDEs: VS Code, Vim, NeoVim

SOFT SKILLS

Technical Leadership
Critical Thinking
Complex Problem Solving
Adaptability
Cross-functional Communication
Mentorship & Coaching
Time Management

LANGUAGES

Spanish (Native) │ **English (C1) (Linguis Academy)** │ **German (B1) (DW)**