

Leonel Gonzalez Valencia

Guadalajara, Jalisco

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github.com/SanQuilmas/

Professional Summary

Detail-oriented Software Engineer with hands-on experience designing, developing, and maintaining full-stack applications for both web and desktop environments. Skilled in crafting scalable, responsive, and performant solutions using modern technologies across frontend and backend stacks. Passionate about clean code, usability, and continuous learning.

Education

Centro Universitario de Ciencias Exactas e Ingenierías - UDG, Ingeniería en Computación

Experience

Full-Stack Developer, Deloitte ADMX Present

- Develop and maintain full-stack applications using modern web technologies
- Collaborate with cross-functional teams to deliver scalable enterprise solutions
- Contribute to both frontend interfaces and backend services to support business operations

Web Developer (Social Service), CUCEI – Universidad de Guadalajara 2023 – 2024

- Maintained and continuously developed the Electronics Engineering program website
- Standardized visual and structural styles to align with institutional guidelines
- Collaborated with academic staff to improve content accuracy and presentation

Projects

ReMusic 2.0 – Sheet Music Digitization

github.com/SanQuilmas/Remusic-2.0

- Developed an advanced tool for scanning physical sheet music and converting it into editable digital formats (MusicXML), targeting music students and preservationists
- Rust backend for ultra-fast, scalable processing and conversion of scanned music sheets
- React frontend with a modern, responsive UI for seamless navigation, editing, and playback
- Containerized deployment using Docker/Podman compose for consistent production and development environments
- Python microservice dedicated to music file conversion and Kafka-based event-driven communication
- Robust Postgres database for project and user data storage
- Kafka integration enabling high-throughput, event-driven service architecture
- Tools Used: Rust, React, Python, Podman, Docker, Postgres, Kafka, Node.js

Tuna ENSJ Repertoire Repository

github.com/SanQuilmas/repertorioTunaENSJ

- Created an editable, maintainable repository of songs for the Tuna of the Escuela Normal Superior de Jalisco using the ChordPro format
- Organized for easy editing, access, and collaborative musical work
- Tools Used: Markdown, ChordPro

Internal Dashboard – Prospect Management System

github.com/SanQuilmas/personal-dashboard

- Developed a responsive web dashboard to manage candidate data, roles, and statuses with real-time filters and sorting
- Backend built in Java with a PostgreSQL container; frontend built in React and TypeScript
- Tools Used: Java, Spring Boot, React, TypeScript, PostgreSQL, Podman, Docker

Technologies

Languages: Spanish (Native), English (Professional)

Programming Languages: JavaScript/TypeScript, HTML/CSS, Java, Python, Rust

Frontend: React, Next.js, Vite

Backend: Node.js, Spring Boot, Python, Rust

Databases: PostgreSQL, MySQL

DevOps & Tools: Docker, Podman, Git, Kafka, LaTeX

Platforms: Linux, Windows, Web