

Leonel Gonzalez Valencia

Guadalajara, Jalisco

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github.com/SanQuilmas/

Education

Centro Universitario de Ciencias Exactas e Ingenierias - UDG, Ingenieria en Computacion

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 (Native)

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

Tools: Git, MySQL, LaTeX, React, Next.js, Vite, Docker/Podman

Platforms: Linux, Web, Windows