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Portfolio

WORK EXPERIENCE

Tritone Analytics, Inc. – Music Royalty Startup

Dec. 2025 – Present

Backend Developer

Remote, US-based

- Developed a comprehensive end-to-end royalty audit pipeline that consolidates fragmented global music datasets into actionable financial insights for artists and labels.
 - Processed 10M+ metadata records across 15+ global DSPs, directly identifying >\$60k in previously uncollected royalties within the first 8 weeks.
 - Automated the detection of missing payments, eliminating 90% of manual cross-checking.
- Designed optimized SQL schemas and AI-driven cleaning workflows to transform raw, messy metadata into reliable datasets for the analytic engine.
- Automated scraping pipelines, cutting processing time by 80% and improving source coverage.
- Implemented NLP normalization to resolve entity inconsistencies, improving matching accuracy by 40% and preventing revenue loss from mismatched rights.

PROJECTS

SongSeek – Music Library Migration Platform | [Website](#) | [GitHub Repo](#) | JavaScript, TypeScript

- Built a web platform to seamlessly convert playlists and tracks across Spotify, YouTube Music, Deezer, Apple Music, Tidal, and Amazon Music.
- Developed a custom heuristic matching engine that correlates track metadata (ISRC, duration, album artist) across disparate APIs to ensure high-fidelity transfers.
- Implemented OAuth authentication, cross-platform search algorithms, and real-time conversion updates with 85% success rate.
- Designed a responsive UI with drag-and-drop and a manual track-matching workflow.

PuntoCultura – Institutional Event Management Platform | [Website](#) | Python, HTML, PostgreSQL

- Collaborated in developing the official website for the Santiago del Estero Department of Culture, creating a centralized system to manage provincial cultural events.
- Designed and implemented a secure REST API with JWT authentication and role-based access.
- Engineered a high-performance admin dashboard with geospatial mapping for non-technical staff, optimizing database queries and managing full deployment across private and cloud environments.

EDUCATION

ITSE – Instituto Tecnológico de Santiago del Estero – *Software Development, Associate's Degree*

Dec. 2025

- Training in software engineering, full-stack development, algorithms, databases, system design, agile methodologies, and DevOps, extending to infrastructure and information networks.
- Includes professional internships in public and private institutions to design, lead, and deploy real systems.

UNSE – Universidad Nacional de Santiago del Estero – *Computer Systems Repair and Maintenance*

Dec. 2023

- Hardware diagnostics, OS installation and maintenance, Linux/Windows administration.

SKILLS

Python (Django, FastAPI); TypeScript (React, Next.js); JavaScript (Node.js, Express); HTML, CSS3, SQL (PostgreSQL, MySQL); NoSQL (MongoDB); Web Scraping (Playwright, Selenium, Scrapy); DevOps (Docker, Git, GitHub Actions, Nginx, AWS); English (Fluent, C2); Spanish (Native).