

# Roberto Costantino

Web Developer

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Berlin, Germany

[Github](#)

[Linkedin](#)

[Portfolio](#)

## SUMMARY

Full-Stack Web Developer specializing in building scalable applications using Python (Django, FastAPI) and React/TypeScript. Experienced in full development lifecycle from backend architecture and database design to responsive frontend interfaces and deployment on cloud platforms. Brings a solid sense of ownership, responsibility, and loyalty to every project. Combines technical expertise with 5+ years of team leadership, bringing clear communication, ownership mentality, and a collaborative approach to solving problems.

## WEB DEVELOPMENT PROJECTS

Developer

2026

Discogs Filter

Built a CLI tool extending the Discogs API with advanced filtering capabilities for vinyl collectors, enabling precision searches using custom validation logic and rarity metrics not available in the standard interface.

- Designed modular architecture with separation of concerns (data, validation, utilities) for maintainability and scalability.
- Created post-API filtering based on community want/have thresholds to identify undervalued releases, reducing manual search time by ~70%.
- Developed custom input validation layer with validators for strings, integers, years, and list-based validation against predefined country and style datasets.

Full Stack Developer

2025

AI Learning Platform

Built an AI-powered educational platform generating personalized learning paths across 15 subjects with adaptive difficulty assessment. Leveraged Groq's LLM API to dynamically create 30 topics and 120 lessons per subject based on initial quiz performance.

- Engineered asynchronous content generation pipeline using Celery and Redis, reducing user wait by ~30%, implementing background processing with real-time status polling.
- Designed PostgreSQL database schema optimized for tracking user progress across curriculum paths, with comprehensive ORM implementation using Django.
- Deployed multi-container architecture on GCP with Docker orchestration (Django, Celery, Redis), integrating Neon PostgreSQL and implementing CI/CD pipelines.

Full Stack Developer

2025

MealMind

Designed and developed a full-stack recipe management platform enabling users to discover, add, and analyze culinary content through search capabilities and data visualization.

- Developed comprehensive recipe creation system with multi-layer validation and custom input normalization, improving data consistency by 95% through automated delimiter handling.
- Integrated Pandas and Matplotlib for real-time data visualization with base64-encoded charts embedded directly in templates.
- Deployed on Heroku with PostgreSQL database, Cloudinary integration for scalable media storage, and WhiteNoise middleware for static file serving.

## SKILLS

### Client - Side

JavaScript - TypeScript - React

NextJS - HTML - CSS

Bootstrap

### Server - Side

Python - Django - FastAPI

NodeJS - MongoDB -

PostgreSQL

### Development & Operations

GCP - GithubActions

## EDUCATION

### Web Development Certification

CareerFoundry, 2025

### Python Certification

CareerFoundry, 2025

### Audio Engineering Diploma

SAE Institute, 2020

## LANGUAGES

Italian Native

English Fluent

German Conversational

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## WORK EXPERIENCE

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### Lead Developer | MixScope - Audio Mix Analyzer

2025 - 2026

Freelance

Led development of a custom web application for a professional audio engineer, coordinating a team of 3 to build an AI-powered mixing analysis tool that improved client workflow efficiency by 40%.

- Optimized audio analysis pipeline by 30% through efficient feature extraction, shared computation across analysis stages, and asynchronous processing with `asyncio.to_thread` and parallel processing for A/B comparisons.
- Integrated Groq LLM with custom-engineered prompts to generate context-aware mixing feedback, delivering insights on LUFS, stereo imaging, spectral balance, and dynamic range.
- Built React/TypeScript frontend with component-based architecture, implementing conditional rendering for analysis states, file validation UI, and organized data presentation across multiple tabbed views.

### Event Organizer

2019 - 2024

Overground Records, Berlin

Organized and executed 25+ music events from concept to delivery, managing end-to-end logistics including venue coordination, artist booking, and technical production.

- Coordinated schedules with artists, booking agencies, venues, and technical suppliers, building a reliable network and maintaining professional relationships across multiple projects.
- Planned and executed marketing campaigns and promotional materials, resulting in a 15% growth in event attendance.
- Managed event budgets and consistently delivered successful events on schedule while adapting to last-minute changes and resolving operational challenges.

### Team Leader / Manager

2017 - 2024

Vox Bar, Grand Hyatt Berlin

Managed daily operations of a high-volume bar in a luxury hotel environment, leading a team of 7 staff members through service delivery, inventory management, budget control, and customer relations.

- Led team training and scheduling to maintain consistent service quality, resulting in 10% sales growth and 5% cost reduction while exceeding guest satisfaction benchmarks.
- Created seasonal menu concepts, collaborating with suppliers and management to optimize product offerings and profitability.
- Resolved escalated customer complaints and operational challenges in real-time, maintaining composure and problem-solving effectiveness in high-pressure situations.