

# Roberto Costantino

## Full-Stack Developer

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[Github](#)

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[Portfolio](#)

### SUMMARY

Full-Stack Developer with experience in building responsive web applications and optimizing backend systems. Delivered freelance projects, including a custom audio mixing analysis tool that streamlines mixing workflows through AI-powered technical feedback. Skilled in React, TypeScript, Python, Django, and FastAPI, with a focus on writing clean, maintainable code. Strong problem-solver with excellent communication skills and a commitment to delivering high-quality, reliable solutions.

### WORK EXPERIENCE

#### Lead Developer | MixScope - Audio Mix Analyzer

2025 - 2026

##### Freelance

Built a web application for a client in the audio field that streamlined and optimized their mixing review workflow.

- Led project management using Agile/Scrum practices, coordinating between client, UI/UX designer, and audio engineer through sprint cycles. Conducted requirement analysis, sprint planning, and regular reviews to ensure alignment on deliverables and maintain project velocity.
- Designed and built a Python/FastAPI backend with an asynchronous processing pipeline that extracts audio metrics and generates structured feedback through LLM integration, accelerating the client's mix review process by approximately 70%.
- Established testing and quality assurance processes including edge case handling for various audio formats, validation of extracted metrics against industry standards, and iterative refinement based on production use feedback.
- Implemented security measures including rate limiting (SlowAPI), file validation, and CORS configuration to support uploads of files up to 120MB across multiple audio formats.
- Built an interactive React/TypeScript frontend with a multi-step upload workflow, and tabbed analysis sections designed in collaboration with a UI/UX specialist.

#### 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.
- Developed a custom inventory tracking application to streamline stock management, reducing manual counting time and improving order accuracy.
- 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.

### WEB DEVELOPMENT PROJECTS

#### Full-Stack Developer

2025

##### AI Learning Platform

Built an educational platform that generates personalized learning paths using AI-powered content generation and adaptive difficulty assessment across 15 subject areas.

- Architected asynchronous processing system using Celery and Redis, improving user experience by eliminating 60+ second wait times through background content generation.
- Integrated Groq LLM API with Pydantic validation to generate 120+ lessons per subject with consistent JSON structure and markdown rendering.
- Deployed multi-container architecture on GCP using Docker (Django, Celery, Redis) with Neon PostgreSQL, implementing CI/CD pipelines via GitHub Actions.

### SKILLS

#### Languages

Python - JavaScript - TypeScript

#### Frontend

React - NextJS - HTML/CSS

Tailwind

#### Backend

Django - FastAPI - PostgreSQL

MongoDB - Redis - Celery

#### DevOps & Tools

Docker - Git - Github Actions

GCP

### EDUCATION

#### Full-Stack Web Development Program

CareerFoundry, 2025

#### Python for Web Development

CareerFoundry, 2025

### LANGUAGES

Italian Native

English Fluent

German Conversational