

# MARIO PRASETIO

Senior Backend Engineer | Audio Engineering | AI Automation

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📍 Indonesia – Open for Relocation (HSM Visa Eligible)

## PROFESSIONAL SUMMARY

Backend Engineer with 8+ years of experience building scalable systems across audio production, broadcasting, logistics, and digital operations. Strong in PHP/Laravel, Node.js, Python, AWS, and modern DevOps. Specialized in web-based audio engineering (FFMPEG, streaming workflows, inline editors) and in integrating AI-driven automation into real production environments. Grew up in the Netherlands and speak fluent Dutch. Comfortable with Dutch communication style and culture.

## PROFESSIONAL EXPERIENCE

### Senior Backend/Full-Stack Engineer,

PT NexCast / Radio.Cloud

2022 – Present

Global (Europe & US clients)

- Architected and delivered Voicetrack V2, a next-generation web audio production suite used by broadcasters worldwide.
- Eliminated 99% of file loss and reduced system errors by 80%, increasing platform stability for radio networks.
- Built inline audio editors (silence trimming, merging, markers) reducing editing time by 60%.
- Integrated AI-powered script generation for radio hosts, automating preparation and content flow.
- Developed backend services for global broadcast workflows across AWS, Laravel, Node.js, and FFMPEG.
- Mentored developers and coordinated directly with EU and US clients for high- impact issues and feature delivery.

Technologies: PHP, Laravel, Node.js, FFMPEG, AWS (S3, Lambda, EC2), MemCache, Docker, CI/CD, PostgreSQL

### Mid Backend/Full-Stack Developer, PT NexCast / Radio.Cloud

2021 – 2022

- Developed Voicetrack V1, the base of today's production pipeline.
- Automated metadata and media transfers for DAB/web playout systems.
- Built backend services with PHP/Node.js and AWS infrastructure.
- Implemented early audio automation features and internal tools.

### IT Consultant & Fullstack Developer,

PT Asaba Computer Centre

2018 – 2021

- Delivered logistics and TMS solutions for enterprise clients (Kawan Lama, Garuda Food).
- Improved fleet routing & delivery efficiency by 30% through backend optimization.
- Built scalable Java-based backend modules and real-time reporting dashboards.
- Designed logistics scheduling and tracking systems used in daily operations.

Technologies: Java, Spring Boot, PostgreSQL, AWS, WebSockets, GPS integration

### Co-Founder, Adventurigo (Travel-Tech Startup)

2018 – 2019

- Built a national park travel and storytelling platform.
- Selected as Top 10 Wonderful Startup by the Ministry of Tourism.
- Managed product, backend services, and user growth initiatives.

## KEY PROJECTS

<b>VoiceTrack V2</b> , Global web-based audio editor for broadcasters	2022 – 2025
• Audio trimming, merging, waveform processing, AI script generation	
• Used daily by radio hosts and producers	
<b>Point of Sale + Fleet Management</b> , Digitalized cashier + courier workflows	2024
• Optimized Delivery Planning with automated planning algorithm	
• Introduced real-time GPS tracking & Proof of Delivery	
<b>TravelTales (Beta)</b> , Audio + photo storytelling platform with synchronized playback	2024
<b>Streaming Monetization Platform</b> , Donation system with live audience interaction & payments	2023

## CORE COMPETENCIES

<b>Backend Engineering</b> PHP/Laravel, Node.js, Python, Go (basics)
<b>Audio Engineering Systems</b> FFMPEG, streaming workflows, web audio, waveform tooling
<b>AI Integration</b> Script generation, automation pipelines, hybrid AI workflows
<b>Cloud &amp; DevOps</b> AWS (S3, Lambda, EC2), Docker, CI/CD, infrastructure automation
<b>Workflow Automation</b> powerplatform-power automate, n8n, process automation, event-driven systems
<b>Microservices &amp; APIs</b> API design, distributed systems, async services
<b>Broadcasting &amp; Media</b> Layout automation, metadata workflows, production tools
<b>Data &amp; Storage</b> PostgreSQL, MySQL/MariaDB, DynamoDb
<b>Quality Assurance</b> Automated testing, integration tests, Playwright, Katalon, reliability checks

## EDUCATION & CERTIFICATIONS

<b>Bachelor's in Information Systems</b> , Universitas Terbuka	2025
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## LANGUAGES

<b>Dutch</b> Fluent (childhood education in NL)	<b>English</b> Fluent
<b>Indonesian</b> Native	