

# 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
<ul style="list-style-type: none"><li>• Audio trimming, merging, waveform processing, AI script generation</li><li>• Used daily by radio hosts and producers</li></ul>	
<b>Point of Sale + Fleet Management</b> , Digitalized cashier + courier workflows	2024
<ul style="list-style-type: none"><li>• Optimized Delivery Planning with automated planning algorithm</li><li>• Introduced real-time GPS tracking &amp; Proof of Delivery</li></ul>	
<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

### Backend Engineering

PHP/Laravel, Node.js, Python, Go (basics)

### Audio Engineering Systems

FFmpeg, streaming workflows, web audio, waveform tooling

### AI Integration

Script generation, automation pipelines, hybrid AI workflows

### Cloud & DevOps

AWS (S3, Lambda, EC2), Docker, CI/CD, infrastructure automation

### Workflow Automation

powerplatform-power automate, n8n, process automation, event-driven systems

### Microservices & APIs

API design, distributed systems, async services

### Broadcasting & Media

Playout automation, metadata workflows, production tools

### Data & Storage

PostgreSQL, MySQL/MariaDB, DynamoDB

### Quality Assurance

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

### Dutch

Fluent (childhood education in NL)

### English

Fluent

### Indonesian

Native