

# ARISTA INDRAJAYA

Senior React Performance Engineer | AI-Generated SaaS Optimization

East Java, Indonesia • me@aindrajaya.my.id • +62 812 6358 9080 • linkedin.com/in/aindrajaya • aindrajaya.my.id

## PROFESSIONAL SUMMARY

Senior React Performance Engineer with 6+ years specializing in auditing and optimizing AI-generated SaaS applications. I fix what Cursor, Copilot, and v0 break — diagnosing bundle bloat, UI lag, and Core Web Vitals failures in React/Next.js products and re-engineering them to Lighthouse 90+, LCP < 2.5s, and INP < 100ms. Proven in Zero-Copy WebGL architecture, cloud infra cost reduction (up to 40%), and API documentation that cuts onboarding time in half. Upwork Top-Rated, 100% JSS. Former technical mentor with 80+ developer placements.

## IMPACT AT A GLANCE

<b>60 FPS mobile</b>	WebGL dashboard rendering 7,000+ entities via Zero-Copy architecture — zero memory crashes, LCP < 2.5s
<b>-40% infra cost</b>	Re-architected scraping and data pipelines (Node.js / Python / Lambda) for enterprise-scale efficiency
<b>2x faster onboarding</b>	API documentation migration to Mintlify — developer onboarding cut from 3 days to 1.5 days
<b>80+ mentored</b>	85% industry placement rate as ReactJS specialists via Binar Academy and Kampus Merdeka 2022

## TECHNICAL SKILLS

<b>Performance</b>	Core Web Vitals (LCP, INP, CLS), Lighthouse, bundle analysis, COEP/CORP headers, hydration optimization
<b>Frontend</b>	React.js, Next.js, TypeScript, WebGL, SharedArrayBuffer, Web Workers, TailwindCSS
<b>Backend &amp; API</b>	Node.js (Express, NestJS), Python (FastAPI), PHP (Laravel), RESTful API, AWS Lambda, n8n
<b>Infra &amp; DevOps</b>	Docker, Nginx, Cloudflare, Vercel, Vultr, DigitalOcean, AWS, Git
<b>Data &amp; Tooling</b>	PostgreSQL, MySQL, Redis, MongoDB, Supabase, Mintlify, OpenAI API, Claude API, Cursor, GitHub Copilot

## PROFESSIONAL EXPERIENCE

### Senior React Performance Engineer (Freelance) | Upwork — Top Rated Jan 2025 – Present

- Engineered Zero-Copy WebGL architecture (SharedArrayBuffer + Persistent Stateful Workers) for a physics simulation dashboard managing 7,000+ entities — locked 60 FPS on mobile, 180 FPS desktop, LCP < 2.5s, zero memory crashes.
- Resolved production-blocking Cross-Origin Isolation conflict between WebGL renderer and third-party browser integrations via COEP: credentialless headers — full functionality restored without performance compromise.
- Optimized AI-powered content pipeline (OpenAI API, PHP) as a no-code Elementor integration, eliminating 10+ hours of manual work per week.
- Led API documentation migration to Mintlify — restructured onboarding flows and API reference, cutting developer onboarding from 3 days to 1.5 days (50% improvement).

### Software Developer | Pena Mar 2023 – Dec 2024

- Audited and refactored company website in React.js — Lighthouse Accessibility 89 → 97, SEO 95 → 100 via semantic markup, lazy loading, and render optimization.
- Re-engineered high-volume scraping pipeline (PHP / Node.js) capturing 1,000+ data points/day, automating 2 hrs of manual work daily for MrScraper.

- Optimized data workflows with AWS Lambda and AI agents — throughput +7%, accuracy 90% → 95%. Led 10 client projects from scoping to production.

**Software Developer** | **Artopologi (RWID)** Jan 2022 – Mar 2023

- Drove 20% daily user growth, engineering the React.js frontend for an artist marketplace platform with real-time transaction flows.
- Built Node.js transaction history API supporting 50+ artist users, reducing operational costs by 5–7%.

**Frontend Facilitator** | **Binar Academy** Aug 2020 – Aug 2022

- Mentored 58 frontend developers to 85% industry placement as ReactJS specialists. Selected as Industry Mentor for Kampus Merdeka 2022 — 25 students, 80% graduation rate.

**KEY PROJECTS**

<b>ImageOpz</b>	AVIF image optimization SaaS (Next.js, Supabase, Cloudflare) — production-live, growth phase. <a href="https://imageoz.aindrabaya.my.id">imageoz.aindrabaya.my.id</a>
<b>Bioblob Frontend</b>	Zero-Copy WebGL dashboard: 7,000+ entities at 60 FPS mobile / 180 FPS desktop, LCP < 2.5s. Core performance case study.
<b>Jan AI (OSS)</b>	113 commits to <a href="https://github.com/janhq/jan">janhq/jan</a> — Tailwind UI, quickstart guides, Scalar API docs.
<b>MrScraper Pipeline</b>	Node.js/PHP scraping infra: 1,000+ data points/day, 2 hrs/day manual work eliminated.

**EDUCATION & LANGUAGES**

**B.Sc. Computer Science / IT Education — Universitas Negeri Surabaya** GPA 3.36/4.00 | 2017

**English** (Full Professional) • **Indonesian** (Native) • **Javanese** (Native)