

Yudistira Ashadi

Senior Full-Stack & AI Engineer

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PROFESSIONAL SUMMARY

Senior Full-Stack & AI Engineer and Co-Founder & CTO with 10+ years of experience turning complex business and research workflows into production software. Hands-on across product architecture, LLM applications, data pipelines, web and mobile platforms, and engineering leadership. Delivered systems for a Swiss asset manager, Indonesian government ministries, Unilever Indonesia, and 500+ organizations, including platforms serving 3,000+ daily active users and 30,000+ at peak.

PROFESSIONAL EXPERIENCE

Full-Stack AI Engineer | Quantamental AG — Remote (Switzerland)

February 2025 – August 2026 | Freelance

- Served as the sole engineer responsible for designing and delivering an AI-powered equity research platform from the ground up for an independent Swiss asset management company.
- Built data pipelines for financial statements, regulatory filings, earnings transcripts, fund letters, podcasts, newsletters, and social media using automated scraping, background jobs, and structured extraction.
- Developed LLM-powered workflows for document analysis, investment-thesis monitoring, value-driver modeling, financial projections, and valuation, with source-grounded outputs and traceable model execution.
- Owned the complete product stack: Next.js and TypeScript application, Node.js and Python services, PostgreSQL data architecture, object storage, authentication, job processing, and containerized deployment.
- Worked directly with investment professionals in Switzerland to translate quantitative and fundamental research processes into a reliable internal product.

Co-Founder & CTO | PT Graha Teknologi Maju — Indonesia

October 2023 – Present

- Architected and shipped an LLM-powered knowledge management and e-learning platform for Kementerian PUPR, serving 3,000+ daily active users and 30,000+ at peak across approximately 40,000 ministry employees.
- Designed and delivered a real-time computer-vision traffic detection pipeline for East Java's Transportation Department.
- Built APPA Academy end to end, a multi-tenant sports management SaaS adopted by 500+ academies across Indonesia.
- Led architecture and delivery across 29+ technology initiatives while managing 15+ developers and remaining hands-on with TypeScript, React, Next.js, Python, and PostgreSQL.

Lead Developer | PT Solusi Siber Teknologi (Retas.io) — Surabaya, Indonesia

February 2021 – October 2023

- Architected and deployed a nationwide product quality management system for Unilever Indonesia using React, Next.js, and Python REST APIs.
- Delivered 5+ React Native applications and 12+ web applications end to end for enterprise and government clients.
- Served as the primary technical liaison, translating stakeholder requirements into system designs and iterative delivery plans.
- Established CI/CD, automated testing, Git workflows, and code-review practices while maintaining 60%+ hands-on engineering time.

Mobile Application Developer | MyDaxue — Nanjing, China

April 2018 – January 2019

- Designed and built a React Native student management application for NUA's international student community.
- Collaborated in a multilingual, cross-cultural product team and supported delivery across the full development lifecycle.

Independent Full-Stack Developer | Freelance — Remote

November 2014 – January 2019

- Delivered web and mobile products for international clients using Laravel, PHP, React Native, and REST APIs.

- Managed projects from discovery and scoping through implementation, deployment, and remote client communication.

TECHNICAL SKILLS

AI & Data: LLM applications and agents, structured extraction, evaluation and observability, data pipelines, web scraping, computer vision, machine learning; OpenAI, Claude, Gemini, OpenRouter

Engineering: TypeScript, JavaScript, React, Next.js, Node.js, Python, React Native, PHP, REST APIs

Data & Infrastructure: PostgreSQL, MySQL, MongoDB, Supabase, S3/MinIO, pg-boss, Docker, CI/CD, Linux, Vercel, Cloudflare

Leadership: Software architecture, technical leadership, stakeholder management, product delivery, agile development, distributed teams

EDUCATION

Master of Technology Management, Analytical Business | Institut Teknologi Sepuluh Nopember | 2023–2025
GPA 3.8/4.0, Cum Laude. Researched financial-news sentiment analysis for bond-yield modeling in collaboration with Prof. Heri Kuswanto and Indonesia's Ministry of Finance.

Bachelor of Engineering, Computer Science and Technology | Nanjing University of Aeronautics and Astronautics | 2014–2018

GPA 4.2/5.0, Excellent. Recipient of Nanjing Municipal and Chinese Government scholarships.

CERTIFICATIONS

Google Data Analytics Professional Certificate • BNSP Certificate of Competence: Programmer • BNSP Certificate of Competence: Digital Media Planner

LANGUAGES

Bahasa Indonesia — Native | English — Full professional proficiency | Mandarin Chinese — Limited working proficiency (HSK 4)