ANANTO JOYOADIKUSUMO

District Manager — Artificial Intelligence | AI Strategy, Delivery & Research

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EXECUTIVE SUMMARY

AI leader who transformed a small research and incubation team into Berca Hardayaperkasa's revenue-generating AI division, serving enterprise clients across energy, manufacturing, automotive, financial services, and government in Indonesia. Combines hands-on technical depth in Generative AI, RAG, computer vision, and speech systems with the discipline to scope, sell, and deliver AI engagements end-to-end. Built Berca's AI partner ecosystem from the ground up across hardware, on-premise platforms, governance, and model providers. Driven by a deep passion for AI and active research, with peer-reviewed publications in NLP, multilingual translation, and reinforcement learning.

SELECTED ACHIEVEMENTS

- **Built revenue division from incubation team.** Inherited a research/incubation function on promotion to District Manager and restructured it into a commercial AI delivery practice, growing the team and shipping multiple enterprise client engagements with a healthy double-digit pipeline of opportunities.
- **Established Berca's AI partner ecosystem from zero.** Sourced and onboarded strategic partners spanning AI hardware, on-premise enterprise AI platforms, AI governance software, AI model providers, and regional GTM channels, transforming Berca AI from an internal-only capability into a partner-leveraged practice.
- **Productized the AI sales motion.** Authored a tiered services framework and a multi-industry use case portfolio that is being adopted as Berca's standardized AI sales playbook.
- **Delivered AI for a major Indonesian automotive group.** Led end-to-end delivery of a sales and marketing intelligence platform combining agentic LLMs, text-to-SQL, and retrieval over a curated knowledge base, transitioning to production for tens of internal business users.
- **Owns full-cycle hiring for the AI team.** Defined roles, screened, interviewed, and onboarded every current member of the AI engineering team, shaping its technical culture from day one.

CORE COMPETENCIES

Leadership & Strategy: AI division leadership, commercial discipline for technical services, team building & hiring, technical pre-sales, strategic partnership development, AI sales motion design, client engagement at executive level, cross-functional alignment (sales, delivery, product, partners).

AI Delivery: Generative AI, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Vision-Language Models (VLMs), Automatic Speech Recognition (ASR), Text-to-Speech (TTS), Computer Vision, Intelligent Document Processing (IDP), agentic systems, on-premise and cloud AI architecture.

Technical Stack: Python, FastAPI, PyTorch, TensorFlow, Hugging Face, LangChain, agentic frameworks, vector databases; JavaScript/TypeScript, React, Node.js; PostgreSQL, Docker, Git; AWS (EC2, S3, Bedrock, Glue, Athena, QuickSight), Google Cloud Platform.

Languages: English (IELTS 8.0), Bahasa Indonesia (native).

PROFESSIONAL EXPERIENCE

Vice Director of AI Venture & Commercialization Hub May 2026 - Present
KORIKA (Part-time)

District Manager - Artificial Intelligence Nov 2024 - Present
PT Berca Hardayaperkasa *Jakarta, Indonesia*

- **Team & function:** Promoted from Senior AI Engineer to lead the AI division. Grew the team and converted a research/incubation unit into a revenue-generating service line within Berca, a 40+ year Indonesian enterprise technology company serving 500+ clients.
- **Delivery & pipeline:** Delivered multiple AI engagements across automotive, energy, and manufacturing sectors, including work with PT Mitra Pinasthika Mustika (MPM), alongside a double-digit pipeline of qualified opportunities.
- **Strategic partnerships:** Built Berca's AI partner ecosystem from zero, onboarding partners spanning AI hardware acceleration, on-premise enterprise AI platforms, AI governance software, AI model providers, and regional GTM channels — significantly extending the division's technical reach and addressable market.
- **Sales enablement:** Authored Berca's tiered AI services framework and multi-industry use case portfolio, being adopted as the standard AI sales motion. Regularly lead client-facing pitches and pre-sales engagements alongside Berca's sales organization.
- **Flagship delivery:** Led architecture and delivery of a sales & marketing intelligence platform for a major Indonesian automotive group, combining agentic LLMs, text-to-SQL over enterprise data warehouses, and retrieval over a curated knowledge base.
- **Product initiative:** Initiated and architected an in-house Intelligent Document Processing platform built on a FastAPI + Vision-Language Model stack, with provider-agnostic model abstraction for on-premise enterprise deployment.
- **Hiring:** Own end-to-end hiring for the AI team — defining roles, screening, technical interviews, and onboarding for every AI engineer in the division.

Senior AI Engineer Apr 2024 – Nov 2024
PT Berca Hardayaperkasa *Jakarta, Indonesia*

- Led development of Berca's first RAG-based enterprise chatbot, shipping v1 in under one month and establishing the architectural foundation for subsequent AI products.
- Built a data-analyst chatbot leveraging LLM function calling to deliver natural-language insights over enterprise databases.
- Integrated AI capabilities as APIs into existing client software, enabling AI augmentation without disrupting legacy workflows. Promoted to District Manager based on delivery track record.

Independent AI Researcher Nov 2022 – Present
Lazarus NLP *Remote*

- Core contributor to a research collective focused on speech and language technology for the 700+ languages of Indonesia, many of which are endangered.
- Co-authored NusaBERT, extending IndoBERT to 12 regional Indonesian languages with state-of-the-art results on IndoNLU, NusaX, and NusaWrites benchmarks.
- Co-developed IndoT5 and many-to-many multilingual translation models covering 45 languages of Indonesia, published in IEEE Access.
- Contributed to open-source Indonesian sentence-embedding and natural language inference models released on Hugging Face, used by downstream researchers and applications in the Indonesian NLP community.

Machine Learning Engineer Feb 2022 – Aug 2023
Bookbot Pty Ltd *Sydney, Australia (Remote)*

- Built ASR, TTS, image generation, and summarization features for a children's reading assistant app supporting users with learning disabilities.
- Contributed to a 90% reduction in app size through deployment of state-of-the-art on-device TTS technology.
- Significantly improved ASR accuracy through systematic experimentation and a custom evaluation library; worked with PyTorch, TensorFlow, ESPNet, Kaldi, Sherpa-NCNN, and Icefall.

- Designed and built an end-to-end offline speech labeling pipeline covering audio categorization, transcription, segmentation, and logging; trained and deployed inference APIs on Google Cloud Platform.

Software Engineer Dec 2021 - March 2024
Harnis International *Jakarta, Indonesia*

- Introduced automation across multiple business units through Python and Selenium scripts, eliminating manual database operations.
- Led the merge of legacy and new databases with minimal data loss and duplication; integrated Twilio's WhatsApp API to automate client communications.

Freelance Writer Jan 2021 – Nov 2021
Hybrid.co.id *Remote*

- Authored English-language e-sports articles connecting gaming to broader subjects in mathematics, science, and philosophy; translated Indonesian paywall articles to English and reported weekly industry news.

EDUCATION

Bachelor of Science in Computer Science 2019 – 2023
Bina Nusantara University (BINUS) *Jakarta, Indonesia*

- Graduated Summa Cum Laude with a GPA of 3.98 / 4.00.
- Strong foundations in algorithms, data structures, computer networks, databases, and artificial intelligence.

Study Abroad Program — Computer Science 2022 – 2023
University of Nottingham Malaysia *Semenyih, Malaysia*

- Completed a study abroad program focused on advanced computer science coursework.

Cambridge International A-Levels 2016 – 2019
Kairos Gracia International School *Tangerang, Indonesia*

- Achieved three A grades in Physics, Mathematics, and Chemistry; awarded medals for outstanding performance in Mathematics, Physics, and English.

PUBLICATIONS

NusaBERT: Teaching IndoBERT to be Multilingual and Multicultural — arXiv preprint, March 2024. https://arxiv.org/abs/2403.01817

Many-to-Many Multilingual Translation Model for Languages of Indonesia — IEEE Access, 2023. https://ieeexplore.ieee.org/abstract/document/10230218

Vision-Based Deep Q-Learning on Simple Control Problems: Stabilization via Neurogenesis Regularization — Brain Inspired Cognitive Systems (BICS), 2023.

CERTIFICATIONS

- NVIDIA Deep Learning Institute — Fundamentals of Deep Learning.
- Google (via Coursera) — The Bits and Bytes of Computer Networking.
- IELTS — Overall band score 8.0.