

NUGRAHA LABIB MUJADDID

AI Founder and Lead AI Engineer

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SUMMARY

Founder and Lead AI Engineer building sovereign multi-agent AI for government, state-owned enterprises (BUMN) and regulated companies. Spead AI is **live at 3 enterprises**, cut reporting time by **87%** in a BUMN pilot and completed the **Google for Startups: AI Solution Lab Program 2025**. Also founded **AgentBuff**, an AI employee platform for small businesses. Earlier, reported to the president director of Caliana Indonesia on strategy and handled contracts for projects worth more than **Rp4 trillion** at state-owned contractor Waskita Karya.

PROFESSIONAL EXPERIENCE

Spead AI, enterprise AI company incubated within Caliana Indonesia, spead.ai

Jakarta, Indonesia

Founder and Lead AI Engineer

Nov 2025 - Present

- Lead the venture end to end, from market validation to core AI engineering, for a multi-agent workspace and data sovereignty engine on private or on-premise infrastructure for government, BUMN and regulated firms.
- Architected foundation LLMs on isolated on-premise servers, custom MCP servers that link internal databases and knowledge graphs to agents, and document intelligence pipelines for regulatory compliance.
- Deployed at 3 enterprises, with 2 government deployments in progress; in a BUMN pilot, cut report preparation from 5 hours to 40 minutes (87% faster) with contextual retrieval-augmented generation (RAG).
- Took the product from zero to a production-ready MVP with five modules (Doc Assistant, Doc Builder, Daily Productivity Planner, AI Partner, Enterprise Admin Panel), sold through Caliana's ISO-certified channels, while keeping 100% of the core IP and codebase ready for a spin-off.
- Completed the Google for Startups: AI Solution Lab Program 2025 in its first cohort, where the architecture was reviewed for secure, scalable AI on Google Cloud.

Tools: Python, LangGraph, LangChain, Model Context Protocol (MCP), Pinecone, FAISS, Google Cloud

AgentBuff, AI employee platform for small businesses, agentbuff.id

Indonesia

Founder

May 2025 - Present

- Built and launched AI employees that take instructions over WhatsApp, Telegram, Slack, Discord and Google Chat, connect to work tools, run scheduled tasks and deliver finished work for small businesses.
- Reached 57+ users, 700+ executed tasks and 300+ work hours saved (as of September 2026), with a 4.9/5 rating from 20 reviews across small businesses, clinics, education and freelancing.
- Designed a multi-tenant platform with an isolated 24/7 workspace per user, 25+ AI providers, 170+ skills and 63 tools through MCP, plus the BuffHub marketplace and an admin control plane for users, billing and audit.

Caliana Indonesia (PT Data Nusantara Adhikarya), technology for enterprise and government

Jakarta, Indonesia

Strategic Initiative Analyst, reporting to the President Director

Jul 2025 - Dec 2025

- Prepared the feasibility study and five-year financial projection for a new business unit, DNA Academy, presented to the Board of Commissioners.
- Wrote Digital City proposals for the Kediri, Berau and Depok governments, aligned with local regulations and smart city masterplans.
- Sized the market, defined the value proposition and prioritised regions for a new product, the Mini Command Center, based on regional urgency and purchasing power.
- Built a data-backed personal branding roadmap for the CEO to increase leadership visibility.

PT Waskita Karya (Persero) Tbk, state-owned construction company, Building Division

Jakarta, Indonesia

Contract and Claim Management

Aug 2022 - Jul 2024

- Handled contracts for 15 projects worth more than Rp4 trillion (about US\$250 million) in total, including the Presidential Secretariat building (Rp1.35 trillion) and the Coordinating Ministry 3 office (Rp789 billion) in IKN, Indonesia's new capital, plus Medan Station and RSCM hospital.
- Drafted tender documents and prequalification objections, joint operation (KSO) agreements with other state-owned contractors, addenda with project owners such as Angkasa Pura II, and vendor and subcontractor contracts and dispute responses.

ADDITIONAL EXPERIENCE

Self-employed (TikTok @nugrahalabib), *Content Creator*

Nov 2021 - Present

130K+ followers, 100K of them in under 1.5 months; top video 15.9M views; created the #pacarcanggihku dating-with-technology concept (40.9M+ views); campaigns for ASUS, ROG, Philips, CapCut and Bibit; Shopee's contracted content creator and affiliate, May 2022 to June 2024.

Mutiara27, Semarang, Owner and Operations Manager *Jan 2022 - Present*
Designed the building (three storeys, 104 bedrooms) and run the women's boarding house on a management system with an AI assistant that became the basis of AgentBuff KostCloud; 4.9 rating on Google Maps.

Gultik & Soto Masnug and D'Bestie Cafe, Semarang, Owner *Mar 2024 - Present*
Built two food brands from scratch, with standardised recipes, their own teams and self-built cashier and operations apps; Masnug earned a 5.0 Google Maps rating with 300+ reviews in its first six months.

LAB.in Studio and Maxis Studio, Semarang, Founder *Feb 2019 - Aug 2024*
Architectural visualisation studios founded during university: 3D renders and animation for 30+ clients across 20+ projects, from hotels and malls to airports, with a team of four designers.

PT Airmas Asri, Jakarta, Junior Architect Intern *Jan 2020 - Mar 2020*
Concept and planning drawings, facade studies, 3D models and renders for a school in PIK 2.

EDUCATION

Universitas Prasetya Mulya **Jakarta, Indonesia**
Magister Manajemen (Master of Management), New Ventures Innovation; GPA 3.71/4.00 *Oct 2024 - Present*
AACSB-accredited. Final project, in place of a thesis: Spead AI, built as a live venture. Coursework includes entrepreneurial finance, new venture financing and entrepreneurial marketing; workshops in UX/UI design and growth analytics.

Diponegoro University **Semarang, Indonesia**
Bachelor of Architecture, cum laude; GPA 3.65/4.00 *Aug 2017 - Dec 2021*
Final project: a 4-star beach resort hotel in Jepara, published as a poster.

HONORS AND CERTIFICATIONS

- **Google for Startups: AI Solution Lab Program 2025**, first cohort, with the Caliana team for Spead AI
 - **4th place, Ecohouse Design Competition X**, Universitas Gadjah Mada (2019)
 - **International Construction Contracts and Legal Frameworks (FIDIC)**, PT Waskita Toll Road (2023)
 - **BIM Building Modeling with Allplan**, PT Wijaya Karya (Persero) Tbk (2020)
 - **Revit 2020: Essential Training for Architecture**, LinkedIn Learning (2022)
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PUBLICATIONS

Andrian, Bawono, G. A., Mujaddid, N. L., Rafsanjani, M. A., and Simatupang, P. (2026). Analisa Perilaku Konsumsi Air Minum dan Kepedulian terhadap Keberlanjutan pada Mahasiswa Universitas Swasta Strata 1 di Kabupaten Tangerang [Drinking-water consumption behaviour and sustainability awareness among private-university undergraduates in Tangerang]. Jurnal Lentera Bisnis, 15(1), 610-624. SINTA 4. doi:10.34127/jrlab.v15i1.2009

SKILLS

AI engineering: Multi-agent systems, retrieval-augmented generation (RAG), LangGraph, LangChain, n8n, Model Context Protocol (MCP), Pinecone, FAISS, Google Cloud, on-premise deployment

Software: Python, TypeScript, React, PHP, Laravel, Docker

Business: Venture building, market research, feasibility studies, financial projections, strategic proposals, FIDIC contracts, contract drafting, SOPs and team leadership

Design: Figma, Archicad, Allplan, Revit, SketchUp, Lumion, V-Ray

Languages: Indonesian (native), English, Arabic