

Yeremia Yosefan Pane

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SUMMARY PROFILE

AI Engineer specializing in enterprise chatbot and agentic AI systems in production. Architected a company-wide AI platform at Hypernet Technologies integrating 10 internal applications and databases, enabling autonomous agents to retrieve data and execute multi-step tasks now used by 300+ employees across all departments. Previously built a QC and Document Control chatbot covering 250+ standard documents at PT Allure Industries, with a backend foundation in Go (Fiber), Python (FastAPI), and PostgreSQL.

EXPERIENCE AND TRAINING

Hypernet Technologies

Application System Specialist

April 2026 - Present

- **Architected and implemented the company-wide agentic AI platform integrating 10 internal applications and databases**, giving AI Agents governed tool access to retrieve enterprise data and execute multi-step business tasks autonomously adopted by 300+ employees across all departments.
- **Developed and deployed autonomous AI Agents** that automate the end-to-end financial reporting process, increasing department productivity by 15%.
- **Engineered an AI Assistant for the CTO** performing real-time sales performance monitoring and predictive data analysis.
- **Designed role-based access control enforced at the middleware layer**, ensuring every agent action is authorized against the user's role before execution rather than relying on the LLM to respect permissions.

PT Allure Industries

AI Engineer

July 2025 - April 2026

- **Automated administrative workflows** using Python (FastAPI), successfully increasing daily operational productivity by 25% through the elimination of repetitive manual tasks.
- **Engineered a high-performance Warehouse Management System using Go (Fiber) and PostgreSQL**, which reduced manual stock tracking time by 5 hours daily and optimized inventory control accuracy.
- **Built and deployed an AI chatbot for QC and Document Control covering 250+ company standard documents**, allowing employees to query SOPs and quality regulations conversationally instead of manually searching files eliminating repetitive clarification requests to the QC team.
- **Architected a scalable integration solution using Dockerized microservices**, connecting RnD and Management systems to facilitate complex business logic calculations.

Bangkit led by Google, GoTo and Traveloka

Machine Learning Specialization

February 2023 - July 2023

- **Analyzed data** using Python, SQL, Tableau, and Looker Studio
- **Built machine learning models** using TensorFlow for Image, Text, and structured data.
- **Built a plant disease detection app** with accuracy up to 95% offering treatment recommendations, weather forecasts, and connecting a community of farmers as the capstone project .

BISA Artifisial Indonesia and Kampus Merdeka

AI-Hacker

August 2022 - December 2022

- **Analyzed and developed** a house price prediction model in Jabodetabek as a capstone project. This model involved the automated extraction of 4,000+ sales records using Python (BeautifulSoup) to enhance model accuracy.
 - **Presented a webinar** on "Basic Visualization Using Python and Tips for Data Storytelling," attended by over 35+ participants.
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EDUCATION

Universitas Negeri Medan

August 2020 - August 2024

GPA : 3,81

COMPETITION

DIMAS-TI AMLI (Asosiasi MIPA LPTK Indonesia)

October 2022

Achieved the **Juara Favorit** title in a competitive programming contest, competing against **24** teams from various universities across Indonesia. Served as one of the team leaders, representing Medan State University in the field of programming.

CERTIFICATION

Google Tensorflow Developer

October 2023 - October 2026

Proven expertise in designing, building, and training machine learning models and AI-based applications using the TensorFlow framework.

Certnexus Artificial Intelligence for Business Professional (AIBIZ)

February 2022

Validates a fundamental understanding of AI and the ability to identify and articulate AI-based solutions that can deliver strategic business value.

SKILLS

Programming & Frameworks

Python (Advanced), SQL, Go, TensorFlow, Docker, Apache Kafka, OpenClaw Agent, Agentic Workflow, Multi-Agent Orchestration, Grafana.

Data & Analytics

Data Visualization, Machine Learning, Statistics, Tableau, Looker Studio.

Soft Skills

Team Leadership, Critical Thinking, Communication.