JESSION DIWANGAN

+639619580384 ⋄ General Trias, Cavite

[Email](#) ⋄ [Github](#) ⋄ [LinkedIn](#)

SKILLS

AI & Agents	Multi-Agent Orchestration, RAG Systems, Prompt Engineering, LLM Integration (OpenAI, Claude, Gemini), Agentic Workflows, AI Automation
Languages	Python, Rust, Modern C++, TypeScript, JavaScript, SQL
Platforms	OpenClaw, LangGraph, LangChain, n8n, Zapier
Infrastructure	Docker, GitHub Actions, CI/CD, Linux, Tailscale, REST APIs

TOOLS

- OpenClaw, LangGraph, LangChain, PyTorch, LanceDB, Gemini API, OpenAI API, Claude API, Playwright, Selenium, Docker, GitHub Actions, PostgreSQL, Redis, n8n, Notion API

EXPERIENCE

Agent Developer — June 2024 - March 2026
Arkpad — *Makati, Philippines*

- Built a **3-agent orchestration system** on OpenClaw — manager, researcher, and builder agents coordinating autonomously via session tools with human approval gates at every handoff.
- Designed and deployed a **custom RAG server in Rust** with LanceDB, Gemini Embedding 2 (multimodal), hybrid search (vector + BM25), Weibull decay, noise filtering, and per-page PDF ingestion.
- Integrated **Gmail automation** (OAuth2, Pub/Sub push notifications, programmatic send/read/watch) and multi-platform messaging (Telegram, Discord) with channel-based agent routing.
- Built **Sharingan**, a zero-shot vision system using SigLIP2 on CUDA with REST API, enabling real-time image classification for security monitoring.
- Developed an **autonomous LinkedIn outreach agent** automating personalized connection requests and follow-up messaging with human-in-the-loop quality control, integrated with Slack and email.
- Designed a **Sales Agent SaaS** using LangGraph — orchestrating multi-agent workflows with Agentic RAG for product knowledge, persistent memory, human-in-the-loop handoff, and Facebook Messenger integration.

AI Engineer — Dec 2023 - March 2024
TresCivil — *New South Wales, Australia*

- Designed an **agentic chatbot** using LangGraph with database querying, local document processing, code execution, and internet access capabilities.

Manufacturing Engineer for Data Science — Jan 2022 - March 2024
Analog Devices, Inc — *General Trias, Cavite*

- Created Selenium-based **automated allocation tool**, eliminating 98% of manual planning and **saving 3 days/week** for planners across Philippines and Thailand.
- Implemented a **RAG chatbot** for technical information retrieval, improving efficiency in equipment repairs and technical reviews.

Test Development Engineer — Nov 2019 - Jan 2022
Analog Devices, Inc — *General Trias, Cavite*

- Developed test solutions for Simultaneous Sampling SAR ADC converters (characterization to manufacturing). Built LGBM model to predict parameter shifts under temperature, optimizing test time.

EDUCATION

BS Electronics Engineering, Xavier University - Ateneo de Cagayan (*cum laude*) — 2014 - 2019