Jeerasak Ananta

Backend AI Engineer — Bangkok, Thailand
jeerasakananta@gmail.com | linkedin.com/in/jeerasakananta | github.com/JeerasakAnanta | jeerasakananta.dev

Summary

Backend AI Engineer with 2+ years of hands-on experience building production RAG chatbots, LLM-powered automation, and internal enterprise systems in banking, healthcare, and HR. Strong in Python/FastAPI, LangChain/LangGraph, vector search (Qdrant), and GitLab CI/CD with Docker. Guest lecturer on RAG systems; B.Sc. Computer Science with GPA 3.97.

Experience

Backend AI Engineer May 2026 – Present
Bank for Agriculture and Agricultural Co-operatives (BAAC), Head Office *Bangkok*

- Develop **BAAC Hermes**, an internal RAG chatbot (LangGraph, Qdrant, BGE-M3, Typhoon2, FastAPI); implement **RBAC** and **LLM guardrails** so answers respect document access rights
- Build and maintain **OmniMail Gateway**, a centralized email service shared by multiple internal systems
- Build **HR Engine API** (FastAPI, MongoDB/Beanie) with Docling-based PDF extraction for HR documents
- Contribute to **HR Allocate**, a multi-step employee transfer and approval system (Next.js, Express, MongoDB) with audit logging and iAuthenX SSO, designed for PDPA compliance
- Integrate an AI-based OCR service and OAuth 2.0 into the **Employee Welfare Reimbursement System**
- Maintain **GitLab CI/CD** for several services: Docker builds, Harbor image vulnerability scanning, tag-triggered deployments on self-managed runners
- Harden Express services (CORS and security headers) and refactor core request-management components

Stack: Python, FastAPI, LangGraph, Qdrant, Next.js, Express, MongoDB, Docker, GitLab CI/CD, Harbor, OAuth 2.0/OIDC

Software Engineer (Automation) Oct 2025 – Apr 2026
Freewill Solutions Co., Ltd. *Bangkok*

- Designed automated HR workflows with **n8n** and **Dify**, using LLMs to screen and rank candidates and cut manual screening time
- Wrote JavaScript nodes connecting external APIs, webhooks, and business logic inside n8n
- Built CI/CD pipelines for continuous deployment of automation workflows
- Worked with HR teams to map bottlenecks and turn requirements into automated solutions

Stack: n8n, Dify, JavaScript, LLM APIs, REST, Webhooks, CI/CD

Developer (Research Assistant) Oct 2024 – Sep 2025
Rajamangala University of Technology Lanna (RMUTL) *Nan*

- Turned research outputs into working software, including a web platform based on ceramic-pattern research
- Integrated LINE API for real-time communication and product exchange between buyers and sellers

LLM Developer (Co-op Internship) Jun 2024 – Sep 2024
Bank for Agriculture and Agricultural Co-operatives (BAAC), Head Office *Bangkok*

- Built a proof-of-concept RAG chatbot for the credit department answering financial-policy and loan questions
- Developed FastAPI backend with LangChain + OpenAI; delivered to staff via LINE Messaging API
- Fine-tuned language models on financial-domain data to improve answer relevance

Teaching Assistant (Part-time) Jun 2023 – Oct 2025
Rajamangala University of Technology Lanna (RMUTL) *Nan*

- Ran lab sessions in Programming, Web Development, Database, and Network/Linux (∼2 days/week)

Projects

LannaFinChat – AI Financial Assistant | *Python, LangChain, Qdrant, Next.js, LINE API* 2025

- RAG chatbot for RMUTL Finance Department answering reimbursement and policy questions via LINE, with semantic search over policy documents

NCD Public Health LINE Chatbot | *FastAPI, LangChain, PostgreSQL, LINE Bot* 2025

- LINE bot letting community health volunteers at Nan Hospital record and update patient data, reducing paperwork in rural areas

Customer Analysis Platform | *Next.js, FastAPI, LangChain, OpenAI, PostgreSQL, LINE OA* 2025

- Analytics platform for SMEs with natural-language querying of sales data and insights pushed through LINE OA

OCR Lottery Verification – Red Cross Nan | *FastAPI, EasyOCR, PostgreSQL* 2024

- Mobile web app verifying lottery tickets by camera OCR with manual-entry fallback and server-side cross-checking

Education

Rajamangala University of Technology Lanna (RMUTL) Nan, Thailand
B.Sc. in Computer Science – GPA 3.97 *Jun 2022 – Oct 2025*

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, Bash
AI / LLM: LangChain, LangGraph, LlamaIndex, Hugging Face, Unsloth, Ollama, RAG, LLM fine-tuning, guardrails
Backend & Frontend: FastAPI, Node.js/Express, REST APIs, Next.js, React, Tailwind CSS
Data: PostgreSQL, MySQL, MongoDB, Redis, Qdrant, MinIO, Apache Airflow
DevOps & Infra: Docker, GitLab CI/CD, GitHub Actions, Jenkins, Harbor, NGINX, Terraform, k6, Linux
Cloud & Self-hosted: AWS, DigitalOcean, Vercel, Cloudflare, Proxmox, Grafana
Automation: n8n, Dify

Certifications & Achievements

Certifications: AWS re/Start Graduate (2025); Super AI Engineer Season 4, AI Developer (2024); AI Beginner & AI Engineer, AIAT (2024); Microsoft SC-200 Security Operations Analyst (2024)
Awards: Winner, RMUTL Mini Hackathon; Winner, C/C++ Programming Competition (Nan); Runner-up, C/C++ Programming Competition (Lampang); Participant, NSC 2023
Speaking: Guest lecturer, full-day training on RAG systems and LLM integration, AI Inventor Program (2024)
Languages: Thai (native), English (basic conversational)