



PR/123242 | AI Engineer

Job Information

Recruiter[JAC Recruitment Indonesia](#)**Job ID**

1559398

Industry

Automobile and Parts

Job Type

Permanent Full-time

Location

Indonesia

Salary

Negotiable, based on experience

Refreshed

September 23rd, 2025 11:24

General Requirements

Career Level

Mid Career

Minimum English Level

None

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

Job Summary

We are looking for a highly skilled and forward-thinking AI Engineer to join our Corporate MIS / Business Applications tea. The ideal candidate will be a critical player in identifying business use cases, designing AI/ML model architectures, and leading the end-to-end development and deployment of scalable, intelligent solutions.

Key Responsibilities

- Engage with stakeholders to identify and frame business problems suitable for AI/ML.
- Lead the design, training, testing, and deployment of ML models and Generative AI solutions.
- Ensure reliability, scalability, and compliance with governance standards.
- Craft and refine prompts for large language models and implement Retrieval-Augmented Generation (RAG) architectures.
- Design and orchestrate intelligent multi-agent systems using role-specialized agents.
- Build structured, context-aware models and agents using Pydantic AI.
- Develop and manage robust ETL (Extract, Transform, Load) pipelines to feed data into AI systems.

- Explore cutting-edge AI capabilities, test new architectures, and bring innovative ideas into practical implementation.
- Work cross-functionally with product owners, developers, and operations teams, presenting complex concepts in business-friendly language.

Qualifications & Experience

- **Experience:** 3-5+ years of hands-on experience in AI/ML development, especially in use-case-driven solution building. You must have a proven ability to own model development from use-case definition to deployment. Experience in enterprise, manufacturing, or process-driven environments is preferred.
- **Technical Skills:** Proficiency in Python and ML/AI libraries like PyTorch, scikit-learn, and Hugging Face is required. A strong understanding of machine learning, NLP, predictive modeling, and RAG pipelines is also essential. Expertise in multi-agent AI design using Model Context Protocol (MCP) is a key requirement.
- **Frameworks:** You should have experience with Pydantic AI or similar frameworks, such as LangChain, LangGraph, or Semantic Kernel.
- **Education:** A Bachelor's or Master's degree in Computer Science, Data Science, AI, or a related field is required
- **Personal Attributes:** You must have strong analytical, critical thinking, and problem-solving skills. Excellent communication and the ability to simplify complex technical ideas are crucial. The ideal candidate is a self-starter with an innovation mindset. Good English proficiency is also required.

Notice: By submitting an application for this position, you acknowledge and consent to the disclosure of your personal information to the Privacy Policy and Terms and Conditions, for the purpose of recruitment and candidate evaluation.

Privacy Policy Link: <https://www.jac-recruitment.co.id/privacy-policy>

Terms and Conditions Link: <https://www.jac-recruitment.co.id/terms-of-use>

Company Description