

PR/097392 | Software Engineer (AI Systems)

Job Information

Recruiter
JAC Recruitment Singapore

Job ID
1602989

Industry
IT Consulting

Job Type
Permanent Full-time

Location
Singapore

Salary
Negotiable, based on experience

Refreshed
November 24th, 2026 02:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Native Level

Minimum Japanese Level
None

Minimum Education Level
Associate Degree/Diploma

Visa Status
No permission to work in Japan required

Job Description

COMPANY OVERVIEW

The client is an innovative AI Fintech company on a mission to transform how people work by creating proactive digital assistants that do more than just respond to prompts. By combining AI reasoning, long-term context, and automation, they help users complete everyday tasks faster, smarter, and with less manual effort.

We are hiring across several engineering roles. While the day-to-day responsibilities may differ depending on team placement and seniority, these positions share a highly overlapping technology stack and require a common foundation in modern software engineering, AI systems, backend development, machine learning, and production infrastructure.

JOB RESPONSIBILITIES

AI Product Development

- Design, build, and deploy AI-powered product features.
- Integrate LLMs, memory systems, vector databases, and external tools into production applications.

- Design agent workflows capable of planning, tool usage, failure handling, and recovery.
- Transform raw model outputs into structured, reliable, and predictable user experiences.

Backend & Platform Engineering

- Build and maintain backend services, APIs, and orchestration layers supporting AI features.
- Develop scalable inference pipelines and service architectures.
- Optimize latency, throughput, caching, batching, and streaming workloads.
- Design robust monitoring, logging, alerting, and observability systems.

Machine Learning & Applied AI

- Train, evaluate, fine-tune, and deploy machine learning models.
- Develop evaluation frameworks to measure model and system performance.
- Improve model reliability, accuracy, and production effectiveness through continuous iteration.
- Debug model failures and production issues using real-world data and feedback.

Production Operations

- Ensure reliability, scalability, and availability of AI systems in production.
- Build fallback and recovery mechanisms for model and tool failures.
- Monitor system health, troubleshoot incidents, and improve operational excellence.
- Balance performance, cost, security, and user experience.

Cross-Functional Collaboration

- Work closely with Product, Engineering, and AI teams to translate ambiguous requirements into working solutions.
- Contribute to technical decision-making, architecture reviews, and engineering best practices.
- Mentor team members and promote high engineering standards where appropriate.

JOB REQUIREMENTS

- Bachelor's degree in Computer Science, Artificial Intelligence, Machine Learning, Software Engineering, or a related field.
- 3+ years of experience in Software Engineering, Backend Engineering, Machine Learning Engineering, Applied AI, or related technical roles.
- Strong programming skills in Python.
- Experience building and deploying production systems.
- Understanding of API design, distributed systems, and system architecture.
- Experience working with SQL and/or NoSQL databases.
- Familiarity with Docker, Kubernetes, and cloud-native environments.

TECHNOLOGY STACK

Languages

- Python
- Node.js

AI & Machine Learning

- OpenAI
- Anthropic

- Open-source LLMs
- PyTorch
- JAX
- Vector Databases

Backend & Infrastructure

- SQL / NoSQL
- Docker
- Kubernetes
- AI Inference Platforms (vLLM and related serving technologies)

Frontend

- Next.js

Working Location: Singapore

Syahirah Binte Ahmad Ja'afar (R22105331)
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Company Description