



PR/097423 | Backend Engineer (Python - AI Systems)

Job Information

Recruiter

JAC Recruitment Singapore

Job ID

1604818

Industry

IT Consulting

Job Type

Permanent Full-time

Location

Singapore

Salary

Negotiable, based on experience

Refreshed

August 11th, 2026 05:00

General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

Native

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.

JOB RESPONSIBILITIES

- Develop and maintain production-grade backend systems supporting AI-powered applications.
- Design and optimize inference pipelines, model orchestration frameworks, and service architectures.
- Own operational excellence across monitoring, logging, alerting, troubleshooting, and incident management.
- Improve system performance through optimization of inference workloads, caching strategies, batching mechanisms, and streaming architectures.

- Build robust, scalable APIs that enable seamless integration between frontend applications, machine learning systems, and external services.
- Continuously enhance platform reliability, scalability, and observability based on production feedback and usage patterns.

JOB REQUIREMENTS

- Strong backend engineering experience building and supporting production-grade applications.
- Proven experience designing and operating high-throughput, low-latency distributed systems.
- Familiarity with AI/ML serving architectures, including Large Language Models (LLMs), embeddings, and multimodal AI systems.
- Experience debugging, monitoring, and optimizing complex distributed systems under production workloads.
- Strong understanding of API design, system architecture, and cloud-native development practices.
- Demonstrated ownership mindset with the ability to independently drive projects from design through deployment and optimization.
- Comfortable working in fast-paced environments and making pragmatic engineering decisions.

TECHNICAL SKILLS

- Python
- Node.js
- PyTorch
- OpenAI, Anthropic, and open-source LLM ecosystems
- SQL and NoSQL databases
- Kubernetes
- Docker

Working Location: Singapore

Syahirah Binte Ahmad Ja'afar (R22105331)
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Company Description