PROGRE

Golang and Python engineer @ The renewable energy company

English speaking only available

Job Information

Recruiter
PROGRE Ltd

Hiring Company
The renewable energy company

Job ID
1611185

Industry
Internet, Web Services

Company Type
Small/Medium Company (300 employees or less)

Non-Japanese Ratio
About half Japanese

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards, Chiyoda-ku

Salary
7 million yen ~ 15 million yen

Work Hours
Super Flex Time

Refreshed
November 15th, 2026 03:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level (Amount Used: English Only)

Minimum Japanese Level
None

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

You will design, build, operate, and continuously improve backend systems that support power trading, supply-demand planning, and market operations. This is a hands-on engineering role: you will be expected to write, review, test, and release production code—not only manage projects or coordinate stakeholders.

Key Responsibilities

- Design, develop, test, deploy, and operate software on GCP that supports power trading, balancing, and market operations.
- Build and maintain REST and gRPC APIs connecting internal services with market operators, vendors, and business systems.
- Implement scheduled and event-driven workflows for supply-demand plans, data exchange, order and trade processing, and operational automation.
- Enhance existing Go and Python services, refactor legacy components, and lead incremental modernization and migration while maintaining business continuity.
- Improve correctness, reliability, and auditability through automated testing, structured logging, monitoring, and operational runbooks.
- Contribute to code reviews, architecture discussions, incident response, and blameless postmortems.
- Work closely with Data, MLOps, Platform/SRE, and business/operations teams to translate domain requirements into maintainable software.
- Use AI tools such as Cursor and cloud-based agents to accelerate implementation, testing, review, and operations, and improve the engineering workflow.
- Investigate unfamiliar systems, clarify ambiguous requirements, and turn ideas into prototypes, demos, and safe production releases.

Technology Environment

Go, Python, SQL, REST, gRPC, Protocol Buffers, FastAPI, Gin, Echo, GCP (Cloud Run, Cloud Workflows, Cloud Scheduler, Pub/Sub), relational databases, ORMs, Docker, Terraform, GitHub, GitHub Actions, and Cloud Build.

The role focuses on software systems for trading, balancing, planning, and market integration. Development of machine-learning models themselves is outside the scope of this position.

Required Skills

Required Qualifications

- Daily use of AI development tools such as Cursor, Claude, ChatGPT, or LLM agents, with examples of how you have used them to improve development or business workflows (e.g., implementation, testing, code review, or task automation).
- Recent hands-on engineering experience, including personally designing and implementing production code and taking it through release. A profile limited to management or coordination is not sufficient.
- At least four years of software engineering experience, or equivalent senior-level achievements, designing, developing, and operating production systems comprising multiple APIs, jobs, or components using Go or Python. You should also be willing to expand your experience across both languages.
- Practical experience with several modern software development and operations practices, such as REST/gRPC API design, databases and SQL, automated testing, code review, Docker, CI/CD, and cloud platforms (GCP, AWS, or Azure). Experience in every area is not required.
- Business-level English proficiency. English is the primary language for engineering communication and collaboration with external engineering partners.

Preferred Qualifications

- Experience in electricity, energy trading, FinTech, settlement, or market-integration systems; direct energy-sector experience is a strong advantage.
- Experience designing and operating REST APIs, gRPC, and Protocol Buffers.
- Experience with database schema design, transactions, and operationally sound database architecture.
- Experience leading test strategy, code reviews, and maintainable architecture practices.
- Hands-on GCP experience, including Terraform, Cloud Workflows, Cloud Scheduler, and Cloud Build.
- Experience with 24/7 services, time-critical systems, financial/trading platforms, or regulated business systems.
- Experience with event-driven architecture, schedulers, workflow engines, queues, or Pub/Sub.
- Experience modernizing unfamiliar or legacy systems, including incremental migration patterns such as the Strangler Pattern and safe production releases.
- Production experience with both Go and Python; familiarity with frameworks such as FastAPI, Gin, or Echo.
- Experience in observability, SRE, incident response, or performance optimization.
- Experience embedding AI agents into development workflows and scaling effective AI adoption across an engineering team.
- Japanese language skills sufficient to read specifications and communicate with business stakeholders.
- Experience working in a startup or agile development environment.

Company Description