



## No Japanese Required Backend Engineer

### English speaking role

#### 募集職種

人材紹介会社  
株式会社PROGRE

採用企業名  
AI company

求人ID  
1561704

業種  
インターネット・Webサービス

会社の種類  
大手企業 (300名を超える従業員数)

外国人の割合  
外国人 半数

雇用形態  
正社員

勤務地  
東京都 23区, 新宿区

給与  
700万円 ~ 1300万円

ボーナス  
給与： ボーナス込み

勤務時間  
10:00~19:00

休日・休暇  
完全週休二日制 所定休日：土・日・祝日 休暇：年次有給休暇、夏季休暇（3日）、年末年始休暇（12月31日～1月3日）、慶弔休暇

更新日  
2026年02月18日 01:00

#### 応募必要条件

職務経験  
6年以上

キャリアレベル  
中途経験者レベル

英語レベル  
ビジネス会話レベル (英語使用比率: 常時英語)

日本語レベル  
無し

最終学歴  
大学卒： 学士号

現在のビザ  
日本での就労許可が必要です

## 募集要項

### Role Summary

As a Backend Engineer, you will lead the design, development, and operation of backend systems for a product suite. You will design and build scalable, robust backend architectures and technical foundations for next-generation products utilizing AI agent technologies and large language models. We expect you to contribute to enhancing product value through collaboration with cross-functional teams.

### Why You'll Love This Role

- **Cutting-edge voice AI technology challenges:**
  - Work on next-generation voice dialogue systems combining ASR/TTS/LLM technologies
- **Real-time processing expertise:**
  - Build highly marketable expertise through designing and operating low-latency voice streaming infrastructure using WebRTC/Twilio
- **Frontline of customer problem-solving:**
  - Engage directly with customers across diverse industries and experience the impact of solving their challenges with technology
- **Socially impactful product development:**
  - Work on high-impact projects directly contributing to corporate productivity improvements, such as call center efficiency and sales support
- **Collaboration with diverse talent:**
  - Grow in a stimulating environment working alongside talented members from diverse backgrounds including AI engineers, SREs, PdMs, Sales, and CS
- **Balance of personal and organizational growth:**
  - Thrive in a dynamic field that balances individual growth with organizational development while adapting flexibly to rapid change

### Responsibilities

- **AI Product Development**
  - Design, develop, and operate backend systems for AI products
  - Implement AI agent systems utilizing large language models (LLMs)
  - Develop APIs for real-time speech processing and speech synthesis systems
  - Build and optimize natural language processing pipelines
- **System Architecture & Infrastructure**
  - Design distributed systems using microservices architecture
  - Design and implement scalable APIs for high-traffic scenarios
  - Containerization and Kubernetes operations on GCP
  - Database design and query optimization for large-scale data processing
- **Development Process & Quality Improvement**
  - Build and improve CI/CD pipelines
  - Promote code reviews and test automation
  - Build monitoring and log analysis systems
  - Implement and operate based on security requirements
- **Machine Learning & AI Integration**
  - Integrate and deploy machine learning models to production environments
  - Build and operate MLOps pipelines
  - Optimize inference API performance and reduce latency
  - Develop A/B testing infrastructure and support data analysis
- **Team Collaboration & Technical Leadership**
  - Collaborate with cross-functional teams (designers, product managers, project managers)
  - Participate in technical selection and architecture decisions
  - Research new technologies, build prototypes, and conduct technical validation
  - Improve and automate development processes

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#### Work Style

Hybrid work model: 3 days in the office, 2 days remote.

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#### スキル・資格

##### Minimum Qualifications

- Bachelor's degree in Computer Science, Software Engineering, Artificial Intelligence, Machine Learning, Mathematics, Physics, or related fields, or equivalent practical experience
- 5+ years of application development experience using Python
- 3+ years of experience developing complex SaaS products or high-traffic B2B products
- 3+ years of experience with cloud services (AWS, GCP, Azure) and container technologies (Docker, Kubernetes)
- Experience working at startups or growth-stage companies, or equivalent environments
- Knowledge of and passion for AI-related technologies
- Language requirements (either):
  - Japanese: Fluent (able to discuss product development without misunderstandings)
  - English: Business level

##### Preferred Qualifications

- Experience building systems utilizing natural language processing or machine learning
  - Experience developing machine learning models with Python, TensorFlow, or PyTorch
  - Experience with chatbot, speech recognition systems, or AI agent development
  - Experience launching new businesses/products from the 0→1 phase
  - Full-stack application development experience
  - Bilingual (Japanese/English)
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#### 会社説明