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## Mathematical Optimization Lead Engineer | AI Company

Flextime &amp; Remote Work★Grewat Welfare

## Job Information

**Recruiter**

G Talent at Bizmates, Inc.

**Hiring Company**

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**Job ID**

1497737

**Industry**

Internet, Web Services

**Job Type**

Permanent Full-time

**Location**

Tokyo - 23 Wards

**Salary**

6 million yen ~ 8 million yen

**Work Hours**

Flextime System

**Refreshed**

October 23rd, 2024 01:00

## General Requirements

**Minimum Experience Level**

Over 3 years

**Career Level**

Mid Career

**Minimum English Level**

None

**Minimum Japanese Level**

Business Level

**Minimum Education Level**

High-School

**Visa Status**

Permission to work in Japan required

## Job Description

**[ABOUT THE COMPANY]**

The company is a group of DX professionals specializing in AI utilization.

While its focus is on AI, the company also has business areas of cloud native, UX design, and marketing, and its uniqueness is its ability to provide comprehensive DX support.

From four growth areas, the company supports its customers' DX promotion. By supporting each of these areas independently or by combining them, they have the capability to meet a wide range of needs.

Also, the company can flexibly respond to company-specific issues and unprecedented DX challenges by combining its technologies with each service.

**[JOB DESCRIPTION]****[Your Role]**

In this position, you will play the role of lead engineer for a project that aims to improve the client's operations and efficiency through the use of mathematical optimization.

**[Responsibilities]**

You will be expected to perform the following tasks

- Identification of targets for mathematical optimization through dialogue with end customers and examination of their mathematical models
- Examination of specifications and improvement of algorithms to obtain realizations that can be used in business operations
- Promotion of the project by utilizing junior members and supporting their work.
- Providing technical support to PMs and technical negotiations with stakeholders

**[Examples of PJT]**

- Improving efficiency in creating employee shifts
- Identification of cost-optimal routes for goods transportation
- Planning for efficient delivery of goods
- Planning for recharge/discharge of power efficient storage batteries

**[Recruitment Background]**

As data utilization progresses from visualization->evaluation->optimization, some of the company's projects have reached the optimization phase. In anticipation of a certain number of projects moving to the optimization phase in the future, the company is strengthening its hiring for this position.

**[ Working time ]**

Flextime System

**[ Welfare ]**

- Full Social Insurance
- Commuting Allowance
- Defined Contribution Pension
- Medical Checkup
- Telecommuting System
- Staff Care System
- Influenza vaccination
- Employee referral system
- Business training (Learning Agency Biz CAMPUS)
- Online learning service (school WEB-campus)
- Qualification acquisition system (ex: passing the project manager exam...100,000 yen will be paid)
- Subsidy for participation in external seminars
- Subsidy for purchasing books
- Congratulatory and condolence payment system
- Marriage celebration allowance system
- Parental leave system (100% return to work)
- No smoking on the premises (outdoor smoking areas available)

**Holidays**

- 125 days off per year
- 2 days off per week (Saturdays, Sundays and national holidays)
- Time off system (paid holidays can be taken in 1-hour increments)
- Parental leave ★100% reinstatement rate!
- Childcare leave ★Male employees have taken childcare leave!
- Paid leave ★77% of the employees take paid leave!

**Required Skills****[Required]**

- Experience in C/C++ programming
- Knowledge of information science such as computational complexity and CPU architecture
- Knowledge of set theory, calculus, and linear algebra
- Knowledge of mathematical optimization algorithms or experience in heuristic optimization development
- Hands-on experience in debugging and troubleshooting
- Ability to gather information to understand project background and business operations, as well as smooth communication and documentation skills
- Experience with version control tools

**[Preferred]**

- Experience in competition programming

- Experience as a development leader
  - Experience presenting at technical training and study groups and ability to prepare materials
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## Company Description