

# G Talent

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## Data Infrastructure Engineer (Data Business) | Fintech

**Remote Work Available/Great Welfare**

### Job Information

#### Recruiter

G Talent at Bizmates, Inc.

#### Hiring Company

Data Analysis Services Company

#### Job ID

1491661

#### Industry

Internet, Web Services

#### Job Type

Permanent Full-time

#### Location

Tokyo - 23 Wards

#### Salary

6 million yen ~ 10 million yen

#### Work Hours

10:00~19:00

#### Refreshed

August 27th, 2024 17:01

### General Requirements

#### Minimum Experience Level

Over 3 years

#### Career Level

Mid Career

#### Minimum English Level

Business Level

#### Minimum Japanese Level

Business Level

#### Minimum Education Level

High-School

#### Visa Status

No permission to work in Japan required

### Job Description

#### [About the Company]

Aiming to realize a world in which people can "know the economy now", the company is a Fintech venture company initiated by the University of Tokyo that uses big data analysis to visualize the consumer price index and other economic statistics in real time, and to visualize corporate management strategies.

It was established in February 2015 as the predecessor of the "University of Tokyo Daily Price Index (now Nikkei CPINow)" project in Tsutomu Watanabe Laboratory, Graduate School of Economics, University of Tokyo. They are currently developing a real-time statistical database service "NowcaSTats" to support asset management and economic research operations of

more than 250 domestic and foreign financial institutions, think tanks, governments, government-affiliated financial institutions, and overseas hedge funds.

Since August 2016, the company has been strategically expanding its global business through a management integration with Finatext, a Fintech venture company established in 2014 by the University of Tokyo. The company will develop new indicators and proprietary algorithms for Nikkei CPINOW and develop new business in the asset management field by leveraging Finatext's strengths in building services in the asset management field and its vast volume of data centered on individual investors.

### **[Job Description]**

#### **[Recruitment Background]**

The company, a startup company from the University of Tokyo, is a member of the Finatext Group and provides analytical services using alternative data (big data that has not been utilized to date).

We process and analyze alternative data collected from domestic data holders (companies that partner with the company and provide data to it) and deploy it as a SaaS product.

Although the company still has less than 30 employees, it provides insights gained from various alternative data such as POS data, credit card data, point card data, and location data to a wide range of clients, from overseas institutional investors to domestic government agencies and business corporations.

In this position, you will be responsible for the design, development, and operation of the data infrastructure (data platform), which is important for efficiently managing and providing a wide variety of alternative data.

#### **[Responsibilities]**

- Design, construction, and operation of a data infrastructure that can efficiently manage and provide a variety of alternative data
- Design, construction, and operation of web service infrastructure (authentication, authorization, settlement, account management, etc.) for providing alternative data

#### **[Attraction of this position]**

- You can design and build a data infrastructure that efficiently manages terabyte-scale alternative data from scratch.
- You can deeply feel the impact on the world by being exposed to various types of alternative data and being involved in the utilization of such data.
- There are still only about 30 people in the organization, so each person has a lot of discretion.
- There are several foreign nationals on the staff, and the entire MTG is conducted in English, making it a global environment for those who want to make the most of their English skills.

#### **[Members]**

- Mr. Katayama (Product Manager / Data Engineer)

He joined Nomura Research Institute, Ltd. as a new graduate, where he was in charge of enhancing the contract management system for condominium brokerage and building a model to optimize the flow of sending customers. 2017, he joined the company. As an ML engineer, he built sales forecasting models for listed companies and investment issue forecasting models for institutional investors. Later, to launch an investment analysis service using alternative data, he has been in charge of a wide range of tasks from defining service requirements to building data pipelines.

Tech Blog : <https://techblog.finatext.com/nowcast-data-engineering-introduction-a7f643d1276c>

- Mr. Sumida (Data Engineer)

He began his internship at the company in 2018 with the belief that high-quality, high-frequency data is necessary to understand economic phenomena.

While performing engineering work, he became more interested in information science, and in 2019 he will use the company's study support to enter the Department of Computer Science at the University of Tokyo's Graduate School of Information Science and Technology, where he will conduct research in computational linguistics/natural language processing. He joined the company in April 2021.

Interview Article: [https://note.com/finatext/n/n6b2319af1915?magazine\\_key=m11adca1f2d6f](https://note.com/finatext/n/n6b2319af1915?magazine_key=m11adca1f2d6f)

- Mr. Shima (Data Engineer)

He joined QUICK Corporation as a new graduate. As a backend engineer, he was mainly involved in projects such as automation of various operations that had been done manually in-house using various managed services of AWS, and building predictive models by utilizing financial data and machine learning technology. He joined the company in 2021 as a data engineer and is currently involved in building and enhancing new data pipelines, streamlining operational work on internal data, and creating EDA environments.

Interview Article: <https://note.com/finatext/n/n8df3a323fb21>

### **[Working conditions & treatment]**

10:00~19:00

- Saturday/Sunday/National Holiday
- Annual Paid Leave
- New Year Holidays
- Parental Leave
- Congratulations & Condolence Leave
- Summer Holiday
- Full social insurance
- Incentive (trust-type SO) system available
- Commuting allowance

- Visa support
- No smoking indoors

#### 1) Life Support

- Marriage leave and congratulatory money: Special paid leave (7 days) and congratulatory money (50,000 yen) are provided for marriages.
- Parental leave and congratulatory money: Special paid leave (5 days) and congratulatory money (500,000 yen per baby!) for the birth of a child. (500,000 yen per baby!!!) are provided for the birth of a child.
- Support for congratulatory and mourning occasions: Special paid leave (3 to 7 days) is provided for marriage, childbirth, and of course, in case of any misfortunes that may occur.
- Consecutive vacation days: In addition to paid leave, employees are allowed to take 5 consecutive days off.
- Allowance for dependents: Up to 100,000 yen per month per person depending on the number of children before elementary school age

#### 2) Learning Support

- Weekly English conversation lessons are offered to all employees who wish to take them.
- Career development support: The company actively provides study support necessary for individual career development.
- Study support: Up to 10,000 yen per month can be used at company expense to participate in seminars and purchase technical and specialized books as desired.

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## Required Skills

### **[Required]**

#### [Data Management & Utilization]

- Able to retrieve necessary results from data stored in RDBMS using SQL
- Experience in building mechanisms to retrieve and aggregate database/data warehouse data from programs using Python or other languages.
- Experience with RDBMS table design and schema management
- Experience with data warehouse services such as Amazon Redshift and Google BigQuery
- Able to design tables and operate DBs using OLAP concepts such as star schema and denormalization

#### [Data Infrastructure]

- Able to build a flexible data infrastructure for managing various types of data on a public cloud such as AWS, using IaC tools such as Terraform.
- Able to design, implement, and operate mechanisms necessary to maintain data quality, such as regression testing and data monitoring.

#### [Others]

- Japanese: Business Level

### **[Preferred]**

- Experience managing teams of 2 ~ 5+ people and delivering results as a team, not as an individual
- Experience in engineering in the financial domain
- English: Daily conversational level
- Experience in web application development
- Experience building container-based systems

※Financial knowledge is not necessarily required for this position.

### **[Ideal Applicants]**

- Customer-oriented development

Always consider what the customer is looking for, and work backwards from there to determine development priorities.

- Take ownership of product growth

Able to see the growth of the product as their own business, and be enthusiastic about providing value to customers through the product.

Able to proactively contribute to the growth of the product, regardless of the scope of your responsibility.

- Able to get people involved and drive things forward

Able to involve others in the solution of a problem, rather than solving it alone.

Able to think first about the results of the team, rather than his/her own results.

- Intellectually curious and enjoys learning

Able to learn engineering domain as well as to input various knowledge necessary for the improvement of the product.

Able to apply the knowledge they have learned to their work without leaving it at that.

- Able to be muddled and detail-oriented.

Able to pay attention to the nooks and crannies of data for clean data and valuable analysis, and to work meticulously on details.

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## Company Description