

# Main business activities

In order to accelerate the growth of Money Forward's services and products, you will be working on proposing, verifying and developing function development and problem-solving methods using AI/machine learning.

You will be responsible for defining issues from the perspective of user business and product specifications, and for considering solutions using AI/machine learning, as well as implementing and operating them.

- Interview with internal business and back office departments and managers to identify business operation issues
- Selecting an AI solution to solve a problem
- Create a prototype to see if it is feasible, and work with back office staff to see if it is effective.
- Visualization - Development of in-house AI tools
- AI services/machine learning model verification and accuracy improvement

*\*Examples of released products can be found here*

<https://corp.moneyforward.com/news/release/service/20240725-mf-press/>

<https://corp.moneyforward.com/news/release/service/20240529-mf-press/>

# The appeal of this position

- **Direct contribution to business growth**

- You will be involved in a project that provides great value to both products and users at the forefront of AI technology that supports Money Forward's business foundation.
- By introducing a system that enables AI-based automation and data-driven decision-making, many companies can significantly reduce their work hours and realize faster management.
- You will be involved in projects that will innovate internal business processes and improve the work efficiency per person, and you will have the opportunity to directly accelerate the growth of the company.

- **The social impact of AI**

- AI-based systems not only improve the efficiency of users' work, but also play an important role in promoting digital transformation across the industry, providing new possibilities for many users.

- **An environment where you can grow while being exposed to the latest technology**

- You will be involved in projects using cutting-edge technologies such as generative AI, natural language processing, and big data analysis.

- When building machine learning engines and models, you can be deeply involved in selecting algorithms and designing the development environment, which can dramatically improve your skills as an engineer.

- **Realizing the contribution to business and society**

- This will involve the use of AI in products that will actually be used in society, targeting hundreds of thousands of corporate clients and individual users. This will not only solve users' problems through improved business efficiency and data utilization, but also give users a sense of leading innovation in the Fintech x SaaS industry.

- **An environment of freedom and discretion**

- Our small but elite team structure allows us to quickly shape ideas and incorporate them into products.
- In a culture where engineers' proposals are respected, you can feel that your efforts are directly connected to business growth.

- **Growth opportunities to broaden your career options**

- From internal business improvements to new business launches, you can develop deep expertise as an engineer through a wide range of project experiences.
- Acquire business skills to promote new businesses

- With development bases both in Japan and overseas, you can also consider a global career path

## Required skills and experience

- Experience in practical application of AI/machine learning (from problem definition to AI solution selection, model review/development, application to services)
- Experience and understanding of software development
- In addition to the above, you must have any of the following experience:
  - Basic knowledge of mathematics and statistics, experience with data analysis and visualization using Python etc.
  - Experience using cloud services such as AWS/GCP/Azure
  - Experience in developing web services using AI services
  - Experience in analyzing and proposing solutions based on an understanding of business and operations
  - Basic SQL knowledge

# Desirable skills and experience

- Deep understanding and experience of corporate back office operations such as accounting, finance, and human resources
- Experience of presenting at conferences and journals related to machine learning, and experience in technical competitions such as Kaggle
- Deep understanding of team software development
- Practical experience in MLOps

# Required language skills

- Basic business level English skills (equivalent to TOEIC 700 or above)
  - Eiken Grade Pre-1 or Eiken Grade 2 (Eiken CSE score 1950 or above)
  - TOEFL iBT 60 or above
  - IELTS 5.0 or above
  - Cambridge FCE English Exam

\*Other qualifications and experience that show English proficiency are negotiable.

\*Those who do not have a qualification equivalent to TOEIC 700 or higher will be required to take a test designated by our company during the selection process (in principle, after the first interview).

## Technology stack

- Machine learning: AI services, TensorFlow, Keras, Python, various libraries
- AWS: Athena, SageMaker, Jupyter Notebook
- GCP: BigQuery, GKE
- Web server side: Rails, Go
- Web Frontend: React, Redux, Vue, webpack, TypeScript, Mocha, Jest
- Database: MySQL

## Tools used

- Repository management: GitHub
- CI/CD: CircleCI, bitrise, Argo CD, CodeBuild, GitHub Actions
- Development environment: Vagrant, Docker, Terraform Enterprise

- Monitoring: Datadog, Rollbar, Bugsnag, Sentry, New Relic
- Communication: Slack, Zoom
- Ticket Management: Jira, Asana, Backlog

## environment

At Money Forward, we provide an environment where we can work together to create world-class services, and we look forward to welcoming you.

- PC specifications provided: PCs equipped with the latest CPU (MacOS or Windows) will be provided. Custom-made PCs based on business requirements and replacement with the latest OCs are also possible.
- System for improving the development environment: Peripheral equipment required for work (display, mouse, keyboard, etc.) can be purchased as equipment. Basically, you can choose from standard products (catalog), and you can apply for non-standard products if they meet the conditions.
- Money Forward Library: We have a library system where you can borrow anything you want, from technical books to business books. You can purchase any book you want at company expense.
- Referral-driven: Meal expenses for recruiting parties are covered. Referral reward system.

- Support for participating in conferences: The company will partially cover the cost of attending domestic and international conferences such as RubyKaigi and Google I/O.

## I want these people to join my team

- Those who want to take on the challenge of building a service that takes into account its overall appearance
- Those who value teamwork and are ambitious and eager to work
- People who have strong technical curiosity and can create services that utilize technology to benefit users
- Those who see the potential in services that utilize Money Forward's data
- Someone who can think about not only data and technology, but also users.
- Creating new value from data requires many challenges and failures.
- Those who can participate in discussions aimed at solving problems with a flexible mindset
- Strong interest in the SaaS market and business
- People who have a strong interest in improving back office productivity and digital transformation in the BtoB field



- Someone who is a fan of the company's services and is passionate about their growth
- Those who enjoy developing services and can take initiative

# Culture

## *Speed*

Speed up your decision making, take action as quickly as possible, and get things done as quickly as possible.

## *Pride*

In order to constantly grow and achieve the best results, let's work hard with a high level of professionalism.

## *Teamwork*

Let's cherish the spirit of "One for all, All for one" and work as one team to achieve our goals.

## *Respect*

Always be grateful and respectful, and always be honest with everyone.

## *Fun*

Enjoy your work, enjoy your growth, enjoy your life.