

# G Talent

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## 【Full Stack Engineer】 Medical Device Software Development

★FLEX TIME★ GREAT WELFARE

### Job Information

#### Recruiter

G Talent at Bizmates, Inc.

#### Hiring Company

※注目AI企業/Featured AI company※

#### Job ID

1530954

#### Industry

Internet, Web Services

#### Job Type

Permanent Full-time

#### Location

Tokyo - 23 Wards

#### Salary

6 million yen ~ 10 million yen

#### Work Hours

Flex Time You can come to the office and go home anytime

#### Refreshed

April 4th, 2025 17:14

### 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】

The company has engaged in various industry AI projects. We have clients in a wide range of industries, such as finance, manufacturing, retail, food and drink, education, healthcare, manufacturers and IT communications, with hundreds of cases. The company is rated as one of the Best Ventures to Work in Japan.

Based on the knowledge and know-how of each industry obtained from this wide network, we promise innovative proposals that exceed the industry and precedent. Many intelligent talents in the world are gathering into the company now.

**[Job Description]****■About "SaMD"**

SaMD stands for Software as a Medical Device—software that is recognized as a medical device without the need to be embedded in hardware.

Use cases include smartphone apps that measure heart rate or software that uses image recognition to assist in disease diagnosis. SaMD is applied in areas such as diagnostic support and self-management of healthcare.

**■Background of the New Company Launch**

In the healthcare sector, long-term societal trends such as rising social security costs, increasingly diverse healthcare needs, and widening regional disparities in medical services are becoming more severe. As a result, there is growing expectation for the social implementation of digital technologies and AI-powered services that can fundamentally address these social challenges—not only within the healthcare domain but also across industries.

Against this backdrop, the company has cultivated a wide range of assets and seeds in the health and medical field. This includes the development of proprietary multimodal AI technologies, strategic intellectual property acquisition, joint academic and clinical research aimed at developing SaMD (Software as a Medical Device), and co-planning and development projects with major pharmaceutical companies in areas such as dementia, frailty, and locomotive syndrome associated with aging.

To meet these growing social demands, the company aims to create its own suite of products and services and promote cross-industry implementation. At the same time, it will strengthen efforts around regulatory compliance, quality control, and data management—advancing health and medical-related initiatives to achieve its vision of solving social issues.

**■Your Role**

You will be involved in the development of medical software without being limited to a specific area such as frontend or backend.

Below are examples of products that are either planned or currently under development:

Gait function assessment software  
Cognitive function assessment software  
Common platform for medical software (SaaS/API suite)  
etc.

In addition to in-house products, you will also be widely involved in the development of collaborative products with partner organizations.

**■Product Examples**

Dementia Diagnosis Software  
Developing an application with Showa University that enables clinical-level diagnosis and early detection of dementia based on a few minutes of spoken dialogue.  
Developing a patented system with Osaka University that analyzes and evaluates medical tasks and light exercise  
Gait function evaluation software  
Developing and providing an application that “quantifies the risk of falling” based on video analysis and “quantifies the risk of accidental pneumonia” based on voice analysis  
Postural condition evaluation software, etc.

**■Responsibilities**

You will be responsible for the development of medical software, including

Back-end development (serverless REST API development is assumed to be the main focus)  
Web front-end development  
AWS architecture design/IaC  
3 Ministry 2 guidelines, QMS compliance  
Collaboration with team members such as PdM, designers, Biz, and mobile engineers  
Front-end and mobile app development and operation upon request

**■Development Structure**

Scrum development  
(Varies depending on the project and product)

**■Technical environment / Languages used**

Backend & Platform  
Language & Framework: TypeScript, Node.js  
API Gateway, Lambda, IaC(SAM, CloudFormation) etc  
AWS SDK for JS  
DB: DynamoDB, AuroraDB  
Others: Cognito, EventBridge, CloudTrail, QuichSight, CloudWatch, Stripe  
Web Frontend  
Language: TypeScript  
Framework: Next.js, React, OpenAPI etc  
iOS  
SwiftUI, Combine, Swift Concurrency etc

**■Team Values**

ExaMD's technology development is guided by the mission of “bringing the power of AI to healthcare through engineering” and the following values  
Unparalleled quality at the medical level  
Unique technology that contributes to medical care  
Product-oriented  
Pursuit of ROI for wide distribution

**■Attractiveness**

You can be involved in the development of advanced products, as we are the first company in the world to obtain medical device approval for voice-based dementia diagnosis, and the first company in Japan to obtain medical device approval for a mobile diagnostic application.

You can gain a sense of contribution to society through a wide range of experience in the medical and health field, not limited to a single disease or medical field, as we develop services that lead to solutions for various diseases and social issues.

You can be involved in the development of products that contribute to society with members with diverse backgrounds and skills (doctors, medical doctors, pharmacists, medical executives, etc.).

You can also gain experience in areas other than cloud and back-end development, such as front-end and mobile apps depending on your needs.

Work in close proximity to management and learn about management and business development through real-world experience.

**[Working conditions & treatment]**

Discretionary labor system (You can come office and go home anytime)

- Full holiday 2 day system (Saturday / Sunday) holidays
  - Annual holiday over 120 days
  - Refreshment holidays (5 days a weekday)
  - New Year holidays
  - Annual paid leave
  - Return vacation (2 days a year: when family lives in a remote area over 1000 km)
  - Condition leave (during trial period: 3 days)
  - Marriage leave (person, child)
  - Maternity leave
  - Nursing care leave
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- Doctoral Program Support System
  - Various Social Insurance (Employee Pension, Health Insurance, Employment Insurance, Labor Accident Insurance)
  - Commuting allowance (up to 35,000 yen / month)
  - Business trip allowance
  - Medical checkup
  - Online medical consultation (first call)
  - Book purchase (full company burden)
  - Study session (once / weekly, during business hours)

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

Desire to solve social problems and improve society through medical software development

Experience in web and back-end development using TypeScript

Experience designing and developing serverless architectures utilizing AWS

Experience writing test code and understanding of testable designs

Basic understanding of networks and databases

Native level Japanese language skills

**[Preferred]**

AWS certification at Associate level or higher or commensurate experience

Knowledgeable experience in Scrum development

Knowledge of Next.js and AWS quality design

Knowledge of and experience with medical quality, including the 3.2 guidelines and MD-QMS

Knowledge of the medical industry and medical software and experience in development and operations

Experience designing cost-conscious architectures

Experience managing AWS infrastructure

Strong initiative in work

Tech lead experience

Knowledge of product management

Interest in a wide range of technical areas

**Company Description**