

## Chief Technology Officer - Track Position

SORA Technology is seeking a CTO candidate who will lead our technology strategy and oversee product development and R&D to address complex challenges at the intersection of drones, AI, and international development.

This role is responsible for building our technical foundation, managing engineering teams, ensuring product quality, and mitigating technical risks as we expand globally across Africa and Asia.

### ■ Responsibilities

- Technology Strategy & Architecture
  - Define the overall technology strategy and develop technical roadmaps
  - Design integrated architectures spanning Android apps, web applications, backend systems, and AI platforms
  - Establish UX principles tailored to real-world usage environments of health ministries, drone pilots, and field teams
- Product Development & R&D Leadership
  - Improve product quality and refine existing system architectures
  - Define requirements and specifications for new features
  - Lead joint R&D initiatives with research institutions and industry partners
- Technical Team Management
  - Recruiting, developing, and performance-managing engineers
  - Overseeing project management (Scrum/Agile)
  - Establishing development processes including CI/CD, review workflows, and QA
  - Fostering an engineering culture of documentation, knowledge sharing, and transparency
- Security & Infrastructure
  - Design backend and cloud infrastructure for mobile and web services
  - Implement CI/CD pipelines and test automation (including Android)
  - Manage logging, vulnerability assessments, and data protection in line with GDPR and African regulatory standards
- Stakeholder Collaboration
  - Engage in executive-level discussions with the CEO, COO, and CFO
  - Manage technical negotiations with governments and international organizations (e.g., JICA, AfDB, CHAI)
  - Present technical strategies and product updates to investors and external partners

### ■ Required Qualifications

- 5+ years of hands-on software engineering experience (AI/ML, IoT, robotics a plus)
- Deep expertise in web applications and cloud infrastructure
- Experience implementing Agile development and CI/CD
- Business-level proficiency in both English and Japanese
- Strong problem-solving skills in highly uncertain environments
- Experience architecting web platforms handling large-scale data uploads and processing (GB–tens of GB)
- Ability to design full-stack architectures from frontend → API → backend → visualization

- Experience designing and operating AI inference systems using deep learning frameworks (PyTorch / TensorFlow)
- Expertise building inference pipelines on GPU servers and cloud environments (AWS/GCP)
- Model optimization skills (batch processing, memory management, MLOps)
- Experience designing asynchronous or distributed processing systems for high-volume image data (SQS, Kafka, Celery, Ray, etc.)
- Hands-on experience building scalable server architectures using AWS / GCP (S3, Lambda, ECS/EKS, EC2, Cloud Run, Load Balancer, API Gateway, etc.)
- Ability to design and operate cloud infrastructure with performance and cost optimization in mind
- Experience in technology strategy planning and engineering team management (hiring, evaluation, development, outsourcing)

## ■ Preferred Qualifications

- Experience as VPoE or CTO in a startup
- Experience designing serverless architectures
- Experience building large-scale data pipelines (Python, Node.js, Rust, etc.)
- Knowledge of web-based data visualization (D3.js, Three.js, Deck.gl, Plotly)
- Practical experience with large-scale image-processing pipelines (GDAL, OpenCV, Rasterio, etc.)
- Experience with MLOps and model deployment platforms (SageMaker, Vertex AI, MLFlow)
- Experience launching AI-powered products from zero to one
- Understanding of security architecture (authentication, IAM design, data protection)
- Ability to technically lead overseas teams and external vendors

## ■ Employment Type

Contract employee (3–6 month trial period), with the intention of transitioning to full-time employment.

During the trial period, both parties assess alignment in mission, working style, and cultural fit.

Upon completion, candidates are expected to convert to full-time employment following mutual agreement.

## ■ Compensation

Negotiable

## ■ Work Location

Tokyo office / Remote work from employee's home or another company-designated location.

## ■ Working Style

Flexible working hours (flextime system).

## ■ Holidays

- Saturdays, Sundays, national holidays

## ■ Leave

- Summer and winter holidays (per annual calendar)
- Paid annual leave
- Parental leave
- Nursing leave
- Caregiver leave

## ■ Benefits

- Full social insurance coverage
- Commuting allowance
- Childbirth celebration gift
- Wedding celebration gift
- Health checkup subsidy
- Communication allowance
- Welcome lunch
- Off-site events (BBQ, grape picking, Christmas party, etc.)

## ■ Reporting Line

CEO・Vice CEO

### 【About SORA Technology】

SORA Technology is committed to “Transforming the way people live from the sky (SORA).”

We develop next-generation social infrastructure using air mobility technologies centered on drones.

With a global perspective, we aim for rapid social implementation in emerging markets—tackling urgent societal challenges such as infectious diseases including malaria, and last-mile delivery.

Our business covers end-to-end implementation, including regulatory development, drone operation management systems (UTM), and drone licensing support.

Leveraging operational and technical expertise cultivated in emerging markets, we aim to bring reverse innovation to developed countries and contribute to building resilient, sustainable societies resistant to disasters and epidemics, and enabling the safe integration and governance of the skies.