Software Engineer | Aviation SaaS | Hybrid Working

Optimize Airline Operations with AI

Job Information

Hiring Company
NABLA Mobility Inc.

Job ID
1612666

Industry
Internet, Web Services

Company Type
Small/Medium Company (300 employees or less)

Non-Japanese Ratio
About half Japanese

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards, Chiyoda-ku

Salary
6 million yen ~ 8 million yen

Work Hours
In accordance with company regulations

Holidays
Weekends / National holidays

Refreshed
November 2nd, 2026 01:00

General Requirements

Minimum Experience Level
Over 1 year

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

≪Job Description & Position Highlights≫

- Drive the end-to-end development of SaaS features for the aviation industry—from defining challenges to design,

implementation, and operations
- The rewarding experience of using technology to support aviation as a critical part of social infrastructure and leading the way in solving user challenges
- The rewarding experience of creating products for airlines worldwide while utilizing English and keeping an eye on the global market
- An environment that enables flexible work arrangements through a flex-time system and hybrid work options

【Job Responsibilities】

< Role Overview >
NABLA Mobility is a startup developing SaaS products specialized for the aviation industry. The aviation market is truly global, and our products are growing with the premise of being provided to international airlines, not just domestically.
As both our business and products enter an expansion phase, we are looking for a Software Engineer who can lead user problem-solving through technology.
You will proactively drive the following:

- Drive product features end-to-end, from problem definition to production deployment and operation.
- Design and develop web applications, mobile apps, APIs, and backend services.
- Design and implement data models, data processing pipelines, and data integration with external systems.
- Translate complex flight operations and predictive data into intuitive UIs and functional features.
- Understand issues and validate hypotheses through direct dialogue with airline users.
- Collaborate with the Product Owner on requirement definition and prioritization.
- Incorporate customer feedback gathered by the Business Development team into the product.
- Collaborate with designers, data scientists, and aviation domain experts.
- Continuously improve architecture, code quality, data quality, reliability, and development processes.

< Tech Stack >

- Languages: TypeScript, Python
- Web / Mobile: Next.js, Expo
- Backend / APIs: AWS Lambda, Amazon ECS, Amazon API Gateway
- Database: MongoDB, Amazon DynamoDB
- Cloud: AWS, AWS CDK

< Recruitment Background >
New Job Opening

< Position Highlights >

- Rare Product Development: Aviation × SaaS We provide our proprietary SaaS products to the globally universal aviation market. Because it is a highly specialized field, you will experience the tangible impact of supporting critical social infrastructure with your technical skills.
- End-to-End Ownership You will be involved not just in "building," but starting from defining "what to build." You will tackle current challenges and take ownership of the entire lifecycle: design, implementation, operations, and continuous improvement.
- A Unique Global Startup Environment About half of our employees are foreign nationals, and daily communication with overseas airlines and advisors is the norm. You will have the opportunity to challenge yourself in product development targeting the global market while actively using English.
- High Autonomy in a Growth Phase Being in the early stages of our startup, every individual can significantly contribute to shaping both the product and the organization. It is an environment where you can gain experience not only in technology but in growing the business itself.

< About Us >
Misson:
NABLA Mobility Inc. is a startup driving operational optimization in the aviation company through the development and provision of strategic network solutions powered by AI and machine learning (ML).
Despite advances in technology, decision-making in the aviation sector still heavily relies on manual processes and expert judgment. As a result, issues such as turbulence, traffic congestion, and delays continue to impact flight safety, operational efficiency, and environmental sustainability.
We address these uncertainties by conducting advanced analyses of real-time and historical flight operation data.
Our flight optimization software, "Weave", functions as a decision-support tool that quantitatively evaluates trade-offs and proposes optimal solutions for strategic flight changes. It enables airlines to reduce fuel consumption while enhancing safety.
In addition, our software "OBST" semi-automates obstacle data processing. Based on NOTAMs and AIP information around airports, OBST quickly and easily evaluates the impact of obstacles and automates the takeoff performance calculation process. It is designed to accommodate the specific operational conditions of each airline.
We also offer a flight disruption forecasting solution, which detects potential operational irregularities in advance and supports timely, effective responses.
As a pioneer in the industry, NABLA Mobility integrates cutting-edge academic theories, advanced technologies, and deep operational know-how to lead the future of global aviation.

【Employment Type】
Full-time Employee
*Includes a 6-month probationary period

【Salary】
Annual Salary: 6 million yen – 8 million yen
*Overtime Pay: Statutory overtime (125%) / Statutory holidays (135%) / Late-night work (25%)

【Working Hours】
In accordance with company regulations
*Work Hours: 8-hour workday (60-minute break)
*Flexible Work Schedule: Available

【Work Location】
4-8-6 Iidabashi, Chiyoda-ku, Tokyo, 102-0072, Japan
*No smoking indoors
*Remote Work Policy: Hybrid

【Holidays & Leave】

- Full two-day weekend system (Saturdays, Sundays)
- National holidays
- Paid vacation

【Benefits & Welfare】

- Social insurance (Health Insurance, Employment Insurance,Workers' Accident Compensation Insurance, Employees' Pension Insurance)

Required Skills

【Required Qualifications】

- Proven experience independently driving complex product features end-to-end, from problem definition to production deployment.
- Experience developing and operating products in a production environment.
- Experience with incident response, monitoring, maintenance, and continuous improvement.
- Professional experience with TypeScript, Python, or similar programming languages.
- Experience in developing web applications and APIs.
- Business-level or higher English communication skills.

【Preferred Qualifications】

- Experience designing and implementing data models, data processing pipelines, and data integrations.
- Experience developing applications that handle maps, charts, or large-scale data.
- Experience with AWS, serverless architectures, and container-based infrastructure.
- Experience developing products that leverage Machine Learning.
- Experience working in the aviation industry or other complex business domains.
  *Prior experience in the aviation industry is not required. We highly welcome candidates who are genuinely interested in our users' workflows and possess a proactive attitude toward learning the aviation operations domain.

【Ideal Candidate】
We are developing global products that deliver value to airlines worldwide. To achieve this, we need individuals with not only strong technical skills but also the mindset to continuously create new value while collaborating with a diverse team.
We welcome those who:

- Resonate with NABLA Mobility's Vision and Mission.
- Can identify problems on their own and take proactive action.
- Possess a product-oriented mindset with a strong drive to pursue user value.
- Demonstrate leadership while highly valuing teamwork.
- Enjoy continuous learning, even in highly uncertain environments.
- Are eager to take on the challenge of building products designed to succeed in the global market.

【About Reqruiting】
To Apply: When submitting your application, in addition to your resume/past experience, please include a motivation letter/statement detailing "Why you are interested in NABLA Mobility" and "What you want to achieve in this position."
We look forward to receiving your application!

Company Description