

DEVELOPMENT OF SOFTWARE TO MANAGE CONTENT DISPLAYED ON PUBLIC TRANSPORTATION MEDIUMS

HIGHLIGHTS



Architectural and infrastructure design expertise on AWS

Our project team members possess the capability to handle all aspects, from coding to software testing, enabling rapid and easy system deployment.

PROJECT OVERVIEW

In this project, Luvina supports the client in developing a **web application** for **managing information displayed on public transportation systems** such as trains and buses. These details may **include schedules, route information, stops, nearby locations, news, weather updates, and advertisements.**

Country: Japan

Service: Software Development

Industry: Construction

Technology:

+ Back-end: Java-SpringBoot

+ Front-end: Angular9

+ Architecture: Microservices

Timeline: Since May 2019

Scale: 5mm for each phase

ABOUT CLIENT

Our client specializes in developing software for public transportation operators and automotive-related services.

CLIENT REQUIREMENTS

Our client seeks a partner capable of undertaking various tasks, including basic design, screen layout creation, coding, and software testing.

CHALLENGES

Understanding business requirements

As most technologies used in the project are new, our project team needs to confirm the feasibility of client requests, requiring deep professional knowledge and continuous learning.

The need for experienced personnel in suitable positions

To ensure product quality, Luvina must select appropriate personnel for each role, from coding specialists to software testing experts. Additionally, for complex technical or environmental issues, sufficient support resources are essential.



INSIDE THE ISSUES

1 Enhancing business skills

In the event of incidents, the project conducts root cause analyses for preventive measures and improvements. We also provide additional training for less experienced team members.

2 Outlining detailed plans

For complex technical challenges occurring within the AWS environment, our team follows a structured approach as outlined below:

- **Level 1 - Easily Understandable Issues:** The project investigates and directly replicates errors, analyzing root causes for resolution.
- **Level 2 - Complex Issues:** In cases where the project team cannot resolve issues, we utilize internal expertise from Luvina's Solution Department / IT infrastructure division to provide support.

3 Redesigning documentation

Proactively improving processes and design lists to address unclear descriptions or complex logic by providing examples for better client understanding.

ACHIEVEMENTS



We ensured high-quality deliverables and adhered to the client's schedule commitments. The client highly appreciates our product quality.

