DEVELOPING SECURITY INFORMATION SOFTWARE FOR MOBILE APPLICATIONS

PROJECT OVERVIEW

Luvina undertakes the development, maintenance, and testing of a large number of security information applications for smartphones.

- **Country:** Japan
- **Service:** Software Development, Software Maintenance, and Software Testing
- **Industry:** Security (Mobile App)

- **Technology:**
- Android: Kotlin
- IOS: Objective-C; Swift; Angular
- **Duration:** Since 2016
- **Team size:** 12 people

HIGHLIGHTS

1. Perfectly meeting deadlines

To fulfill client release timelines, Luvina's team proactively organized and adjusted work to perfection. As this project involved a series of mobile applications, the customer usually provided dense release schedules, and Luvina demonstrated excellent efficiency by keeping to their deadlines.

2. Participating in security testing

Besides testing software functionality, our project involved fulfilling security testing measures in diverse environments to ensure the system's security level.

ABOUT THE CLIENT

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General Introduction:
Our customer is a leading IT solutions company in Japan, specializing in developing information security products.

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Customer Requirements:
For this project, the customer estimated about 20 systems and applications to be processed, including 2 new developments and the rest for maintenance. Due to the large quantity, our customer faced the challenge of preparing for human resources in such a short time, hence the need for a reliable partner.

They chose Luvina for our flexible resource mobilization, commitment to meeting deadlines, and proactive suggestions for process and product quality improvements. They're also impressed with our efforts to stay updated on IOS, Android-related coding techniques, and technologies to ensure product quality.

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CHALLENGES

1. Handling a large workload and suitably allocating resources

Luvina must plan and allocate resources meticulously to meet the dense release schedules provided by the customer.

2. Proactively analyzing business requirements based on customer demands

Our team needs to actively understand and propose specific solutions to the customer's problems.

3. Continuously improving knowledge about iOS and Android

Our customers have a deep understanding of the iOS platform and even set standards for each step of this business. Therefore, we need to improve our iOS and Android professional knowledge day by day, making efforts through each stage to be able to satisfy customers.

SOLUTION

1 Proactively planning resource utilization

To meet the customer's dense release schedules, Luvina's team created a comprehensive resource strategy with 12 individuals per month. We have selected suitable employees who are qualified based on their years of experience as well as their professional expertise to ensure the requirements are met. Members of the project team with four years or more of experience make up around ⅓ of the team. As for the testing phase, the team proactively recommended personnel from other projects with the same customer to both increase performance and productivity.

2 Regularly upgrading expertise through internal training

Our project team is proactive in researching and improving professional knowledge for security operations on both the iOS and Android platforms.

Develop internal training documents
Based on the initial understanding and knowledge gathered after researching, learning, and implementing in practice, our team has proactively documented relevant records and shared them with team members. In addition, we also provide documents for testing cases so that customers can use them internally.

Training duration
Personnel with coding skills will be trained on mobile projects. The time will depend on the difficulty of each project, but it will be at most 6 months. For personnel with testing skills, at a simple level, they will be able to do the job after about 2 days of training.

3 Proactively investigating and proposing specific solutions

Our project team is proactive in researching and improving professional knowledge for security operations on both the iOS and Android platforms.

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ACHIEVEMENTS

✅ **Assisting customers in successfully releasing over 20 products.**

The project consistently meets the timelines and quality goals for over 20 products, leaving the customer satisfied and strengthening their trust in Luvina.

✅ **The customer expresses gratitude** to the project team as there have been almost no serious errors, even with a large number of users (approximately 300,000–500,000 licenses). The team's code quality is highly appreciated.

★★★★☆

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