

QA & Testing Service

Ready to Revolutionize Your Business?





Contents

- QA & Testing Service
- Tools & Technologies
- Working Process
- Engagement Models
- Why Newwave Solutions?
- Case Studies

Our QA & Testing Service

OUR QA & TESTING SERVICE

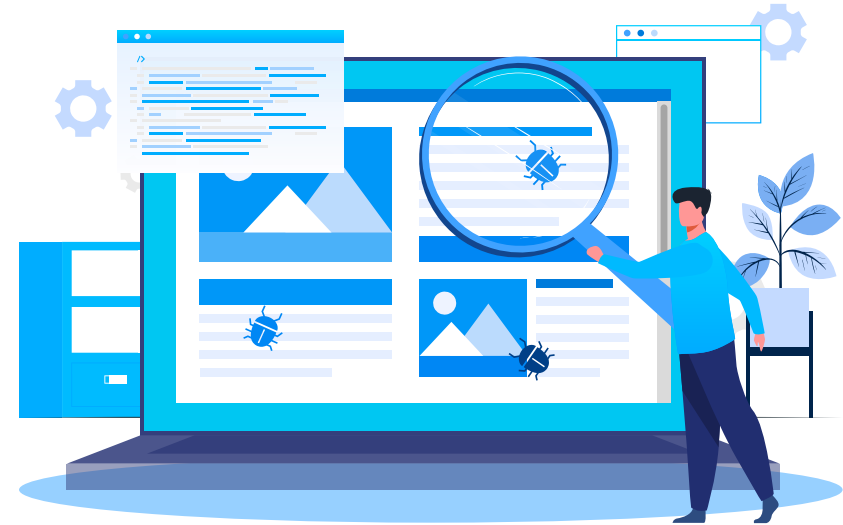
Quality Assurance (QA) & Testing is an important process for all businesses to ensure their delivery of the highest-quality products to fully meet their customers' expectations.

Over the last 10 years, Newwave Solutions has been providing a full range of QA & Testing services that help our clients deploy, maintain, and scale-up high-quality software. We have worked with start-ups, SMEs, and large corporations in launching premium and complex software that crafts exceptional customer experiences. We continuously develop our testing practices -both manual and automated- to help clients derive business and operational benefits.

Share with us your request and vision, Newwave Solutions will use our expertise to make it into results.

KEY SERVICES

- Software Testing
- Mobile Application Testing
- Application Testing
- Compatibility Testing
- UAT Testing
- Performance Testing



KEY BENEFITS

Customer Satisfaction

- We work on the latest frameworks and technologies to deliver you user-friendly, scalable, secure, and new business solutions as per your need.

Agile Procedure

- We work on the Agile methodology and conduct frequent scrum events for optimizing the practices and methods and delivering the finest results.

Dedicated Teams

- We have a dedicated team of web app developers who are well versed in delivering high-end business solutions on several frameworks and technologies.

Integrity & Transparency

- We respect your ideas and vision, provide you with every small project detail regularly, and consider your worthy advice when and as needed.

Flexible Engagement Models

- Instead of working on unwanted rigid and strict parameters, we offer flexibility to our clients to select from different engagement and hiring models.

Competitive Pricing

- We offer an ideal combination of cost-effective rates with amazing quality to make sure the lowest pricing in our segment.

QA & Testing Service

Tools & Technologies



Visit our website for
more information

Working Process



Step 1

Discover

Initial Consulting

- Complete questionnaire
- Meet consultant and discuss

Outcomes

- Quotations



Step 2

Consulting

Strategy & Analysis

- Discover and define vision
- Blueprint for the project

- Project Specification
- Information Architecture & Strategy
- Keyword report
- Audit
- Implementation plan



Step 3

Implementation

Design

- UI/UX Design
- UI/UX Implementation

Outcomes

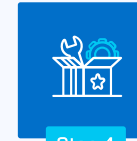
- Wireframes
- Visual concept

Develop

- Front-end
- Content
- Back-end

Outcomes

- Service development
- Feature development
- Test case



Step 4

Maintenance

Testing & Deploy

- Deployment & Management
- Test Automation

Outcomes

- Test case execution
- Service Launching



Step 5

Optimization

Managed Service

- 24/7 support
- Incident management
- Performance management

Outcomes

- End-to-end managed service

Engagement Models

	Fixed Price	T & M	Extended Team
■ Requirements	Defined	Evolving	Evolving
■ Flexibility	Fixed	Moderately Flexible	Highly Flexible
■ Client's control	Low	Medium	High
■ Average hourly rate	15-25 USD	15-30 USD	25-60 USD

How we work

We utilize the best honest and improvement techniques for building compelling endeavor program improvement handles and arrangements in an organized and efficient way.



WHICH SHOULD YOU CHOOSE?

Fixed Price

- The best model to get the complete solution under a fixed budget.
- Projects that have well-defined goals, vision, workflows, and results which are unlikely to change for the course of development.
- If you want to test out a new software provider before you hire them as your permanent dedicated developer.

T & M

- You only pay for the time and resources spent on the project.
- Long-term projects with continually evolving and unclear requirements.
- When you want enough flexibility to modify your requirements and to vary workload.

Extended Team

- This model allows you to add more workforce to set up an offsite team as strong as your in-house team.
- For long-term IT projects with original goals and rapidly changing scopes.
- Daily standup meetings
- When you want to access cross-border expertise and knowledge sharing.

T&M



FIXED PRICE



Why Newwave Solutions?

Being a well-known software development company, **Newwave Solutions** is recognized for serving modern business needs and delivering the best-in-class solutions at a competitive cost across the globe.



Next Steps

If you want to get more information about our Software Development services and learn how we can help your business please get in touch via our website: www.newwave.vn/contact/

Case Studies



01. Powerful Collaboration Sees Application Modernisation Rapidly Realised

A platform to connect trailer renters and owners

Service

Mobile App Development

Industry

Business

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

Native App

App Features

- Enables person-to-person trailer rental by putting unutilized trailers to good use.
- Renters can easily search for trailers near them, complete booking process and sign rental agreements completely on phone.
- Trailer owners can upload trailer's information via phone and sign rental agreements completely on phone.

Business Challenges

- The client felt risky and skeptical about our work at the first stage of the project, prior to implementation.

→ The way to convince the client is to show them proof. We decided to have a PoC (Proof of Concept) to show the viability of our proposal. Our clients were satisfied with the PoC and decided to start implementing the project.

Technical Challenges

- The open source code library which supports map display encountered errors and there had not been any way to repair it. On the other hand, we had to maintain and update new features while ensuring the stability of the current system.

→ We split our development team in half to be able to quickly solve problems, avoid negatively affecting our client's revenue. The first team continued to fix the old library, and the second team deployed a new library and test to preserve system performance.



Solutions

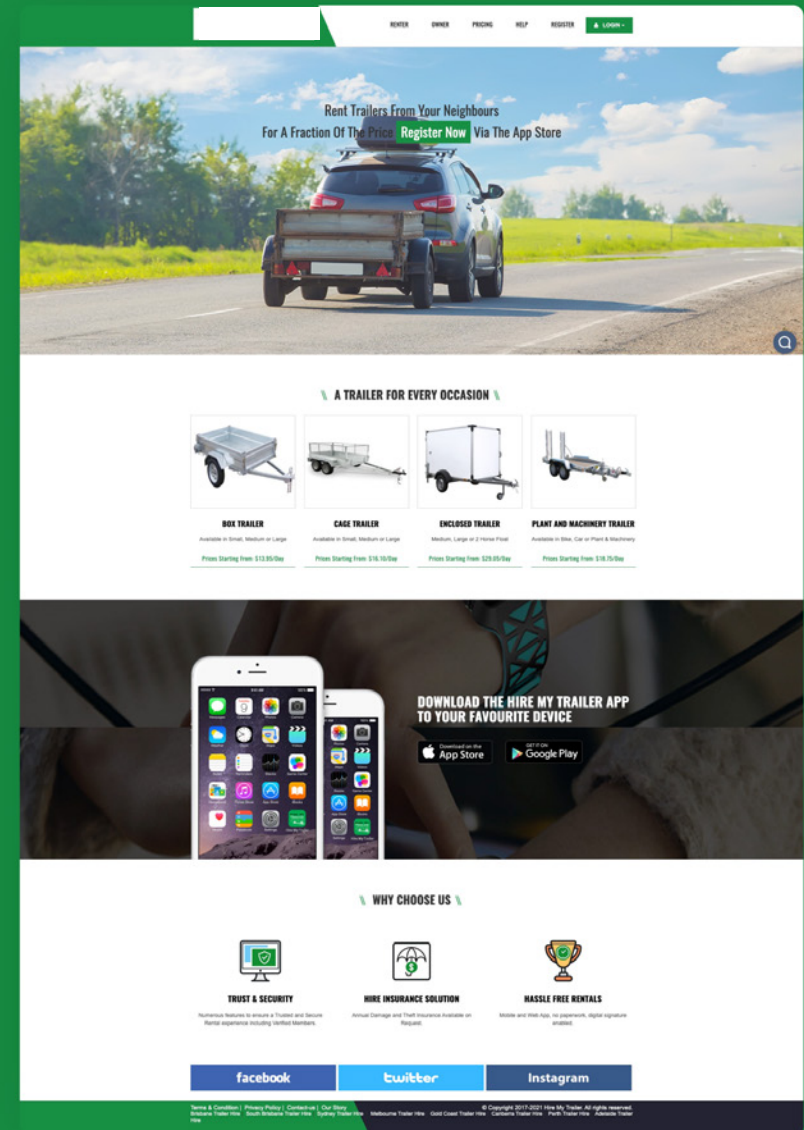
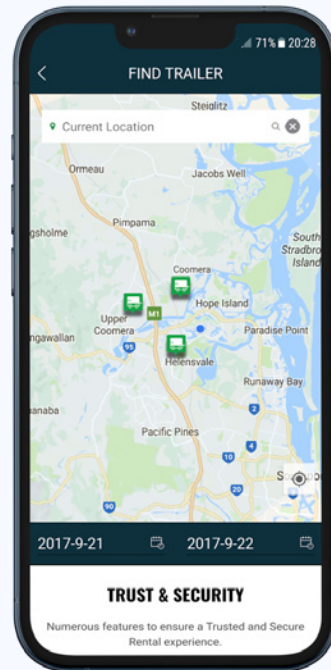
- Technology: Android / Google Service
- Programming Language: Java/ Kotlin
- Management tool: Jira
- Management Methodology: Agile

Newwave Solutions' Roles

- Development

Results & Benefits

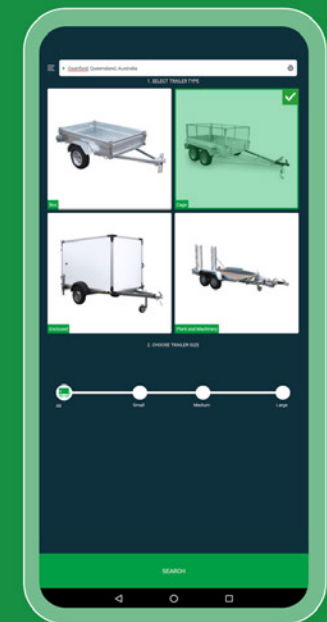
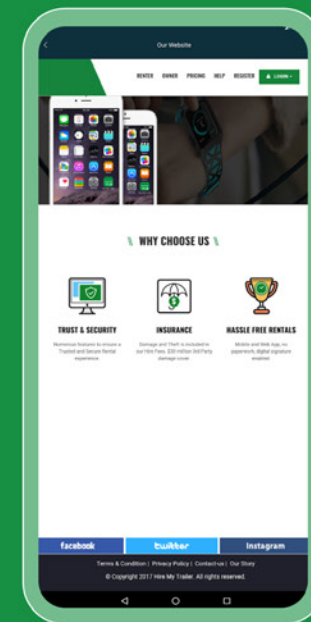
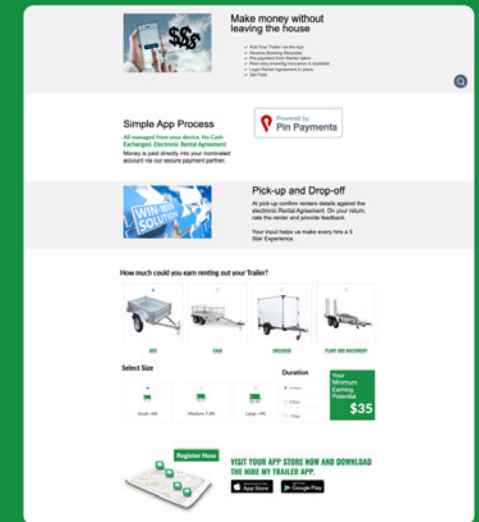
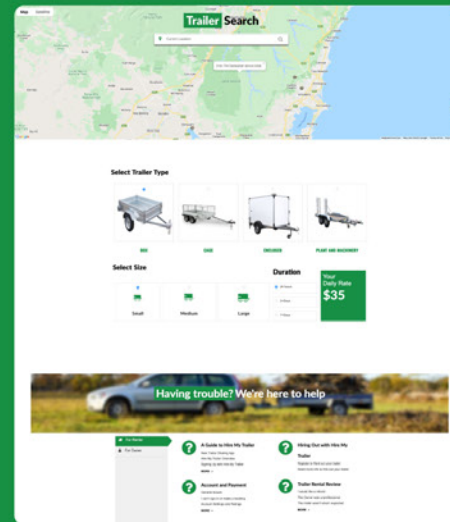
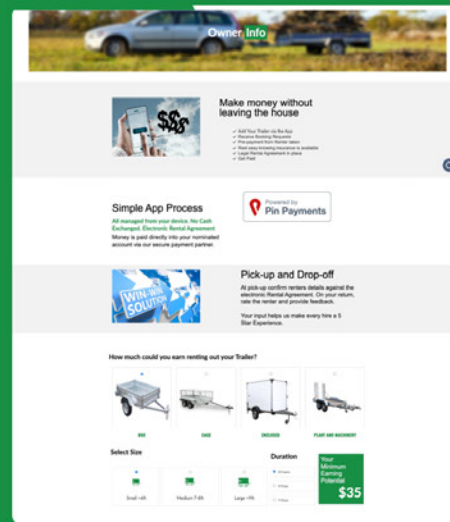
- There were 23,300 app downloads in 2020



“

Client quote

Pleased with the accuracy of the final product and the responsiveness of both points of contact, the client praises Newwave Solutions as an effective and trustworthy partner. Internally, the site was received very positively. Clients can expect a calm communicator and exacting partner, along with a thorough eye for detail.



02. T-shirt Business App Adoption Leads To 57% Increase In Revenue

A platform where the whole supply chain happens, where anyone can create printable designs for items like T-shirts, bags, phone cases, printing and selling the items

Service

Software Development

Industry

Ecommerce

Platform

Web & Mobile
(Android / iOS)

Technology Stacks & Dependencies



Type

Native App

App Features

- Allows users to create and sell their own designs with the help of the system to print and ship out orders.
- Users can buy final products or T-shirts as materials from suppliers.
- Users can create their own shops to sell their products.

Business Challenges

- There are many steps from creating a design to shipping the final product out to customers.

→ We must implement app integration for automated and synchronized process of creating a design, product printing, online ordering and offline delivery.

Technical Challenges

- We had to handle high traffic peaks.
- We adopted suitable AWS services (RDS, EC2, ELB, Route53, Cloudfront, etc.) to ensure stable operation under high and stressful loads.
- There was a large amount of data related to users and orders. The system could be attacked by hackers due to its popularity.
- Our team made a strategic plan to ensure the systems are constantly and securely monitored. We also supported the client to immediately solve any problems to get their business back to normal operations.





Solutions

- Technology: AWS (RDS, EC2, ELB, Route53, S3, Cloudfront) / Docker / Jenkins
- Framework: ReactJS / CakePHP / Android Java / Swift
- Management Methodology: Agile & Scrum
- Management tool: Redmine
- Programming Language: Javascript / PHP / Java

Newwave Solutions' Roles

- Analyzing
- Management
- Development



Client quote

Newwave Solutions delivered a high-quality solution that completely satisfied internal stakeholders. Their dedication to success supported seamless collaboration across teams. They effectively communicated and quickly responded to inquiries. Their project management skills ensured a successful partnership.

03. The Most Helpful and Free App for Any Parking Space Search

A parking lot sharing service that makes effective use of vacant space

Service

Software Development

Industry

Ecommerce

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

Cross Platform

App Features

- Owners who have vacant parking spaces anywhere can post on the app.
- Parking space renters can search for the desired parking lot in the app, make a reservation and online payment.

Business Challenges

- Our client was hoping to release the product in a short time to put it into use before Olympic Tokyo 2020.

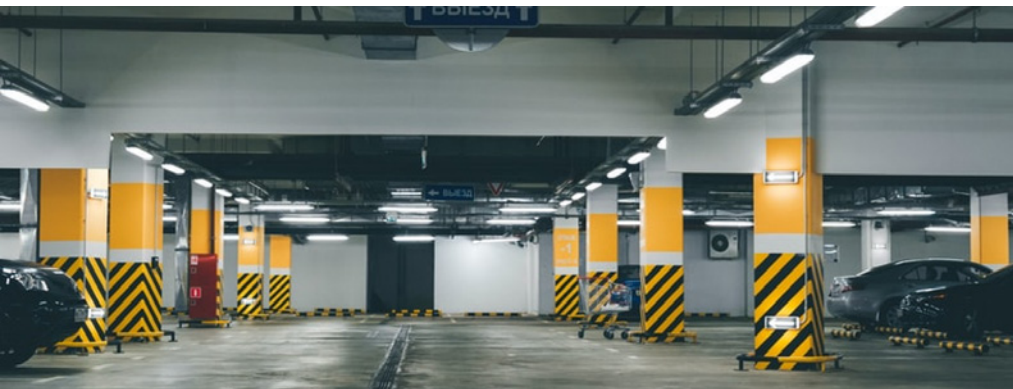
→ Newwave Solutions and our client agree to develop a MVP with initial basic features to shorten development time. After only 3 months, which is much shorter than our client's expected delivery time, we released the product and received many positive feedbacks from users, which proved the success of solving problems related to parking space finding and parking spot rental.

Technical Challenges

- Integrating payment gateways into the platform in Japan and supporting real-time location updates are big challenges that we had to face.

→ With timely support from our partners, we quickly mastered the technology and securely integrated these functions into the app.



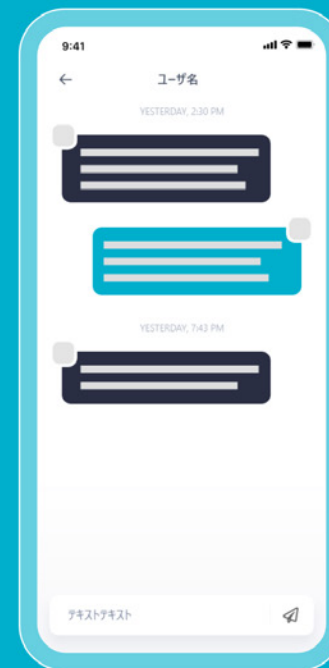


Solutions

- Technology: Google Maps / FCM / Stripe
- Programming Language: Dart
- Framework: Flutter
- Management tool: Jira
- Management Methodology: Agile

Newwave Solutions' Roles

- Analyzing
- Management
- Development



“

Client quote

The team has impressed their partner with high-quality code and their ability to keep on pace throughout all sprints. Contributing solid code to support iOS and Android platforms, they kept all parties up to date on progress through a comprehensive communication cadence.

04. Homes for Real Estate Sale, MLS Listings, Brokers

An app that creates a professional and stable community for brokers, and at the same time creates an ideal environment for brokers to have a successful career.

Service

Software Development

Industry

Real Estate

Platform

Web & Mobile
(Android / iOS)

Technology Stacks & Dependencies



Flutter



angular



Vue.js



WordPress



node



mongoDB



MAP



Type

Cross Platform

App Features

- Brokers can actively reach out to new projects and clients without having to be dependent on anyone.
- Brokers can streamline transactions, nurture clients anytime, anywhere.



Business Challenges

- There had been a great need for a mutual app for members in real estate, technology and finance, but it was not easy to create one that can meet the expectations of users.

→ Our team communicated on a regular basis to deeply understand what the client really wanted.

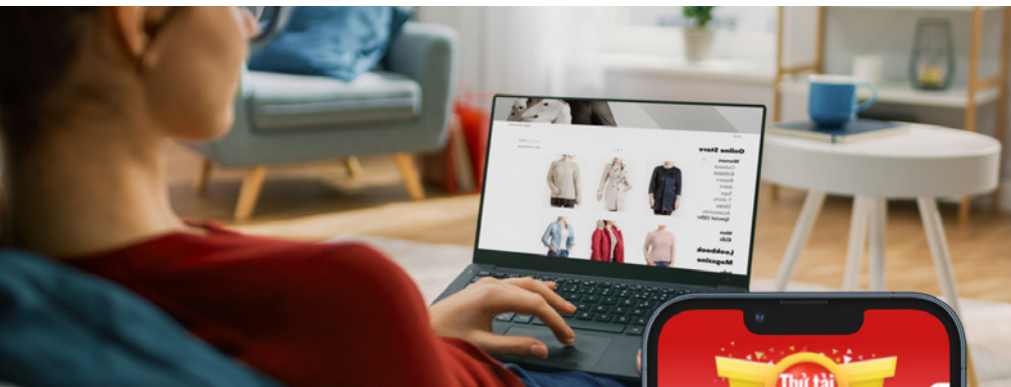
Technical Challenges

In order to build such a complex app, we had to:

- Build a learning management system to create online courses.
- Build a social media for real estate.
- Build a continuous digital transaction system.
- Create Play-to-Earn games.
- Use complicated technology platforms such as microservice, message queue and container orchestration.

→ At the first stage, our team will work directly with the client at their company to be able to receive feedback directly from the stakeholders. We also learned from other similar apps in the market to understand what to improve and successfully create a unique system that offers many special features.





Solutions

- Technology: AWS / Mobile cross-platform
- Programming Language: Javascript / Typescript / Dart / Swift / Kotlin
- Framework: Angular / Flutter / VueJS / Wordpress
- Management tool: Jira
- Management Methodology: Agile

Newwave Solutions' Roles

- Analyzing
- Management
- Development

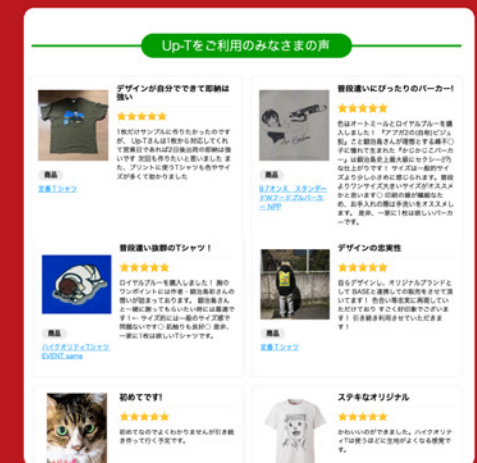
Result & Benefits

- The program has provided the client with a firm foundation for their core systems so they can continue to build. The software IP is owned by the client and they can reduce their reliance and spend with 3rd party provided as a result.



Client quote

The amount of time saved has markedly increased, while noise in the system has been reduced. Direct work by Newwave Solutions executives not only expedites completion and enhances the project creatively, but also demonstrates a vested interest in long-term outcomes and business needs.



05. Great App for Coworking Professionals

A visualization system for managing co-working spaces and facilities

Service

Software Development

Industry

Ecommerce

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

Cross Platform



App Features

- Includes a mobile app for guests and a CMS platform for management.
- Guests can book and manage bookings of the team they supervise or belong to.
- Managers of the co-working spaces can easily manage bookings and facilities with unlimited levels of decentralized management.
- Co-working space owners can access clear reports of cash flow and the number of bookings.
- The system allows real-time facilities management by integrating sensor system to facilities
- All booking data is synced with Google Calendar and Microsoft 360 Calendar services.



Business Challenges

- This is a business market where everything constantly changes.

→ Our team deeply understood the trends of the market since we made time for doing research and regularly meeting with our client.



Technical Challenges

- Integrating payment gateways into the platform in Japan and supporting real-time location updates are big challenges that we had to face.

→ To handle a large volume of data, enhance business processing system and sync data with Microsoft 360 Calendar and Google Calendar, the development team has decided to separate the sensor and synchronization process from the system's business process.



Solutions

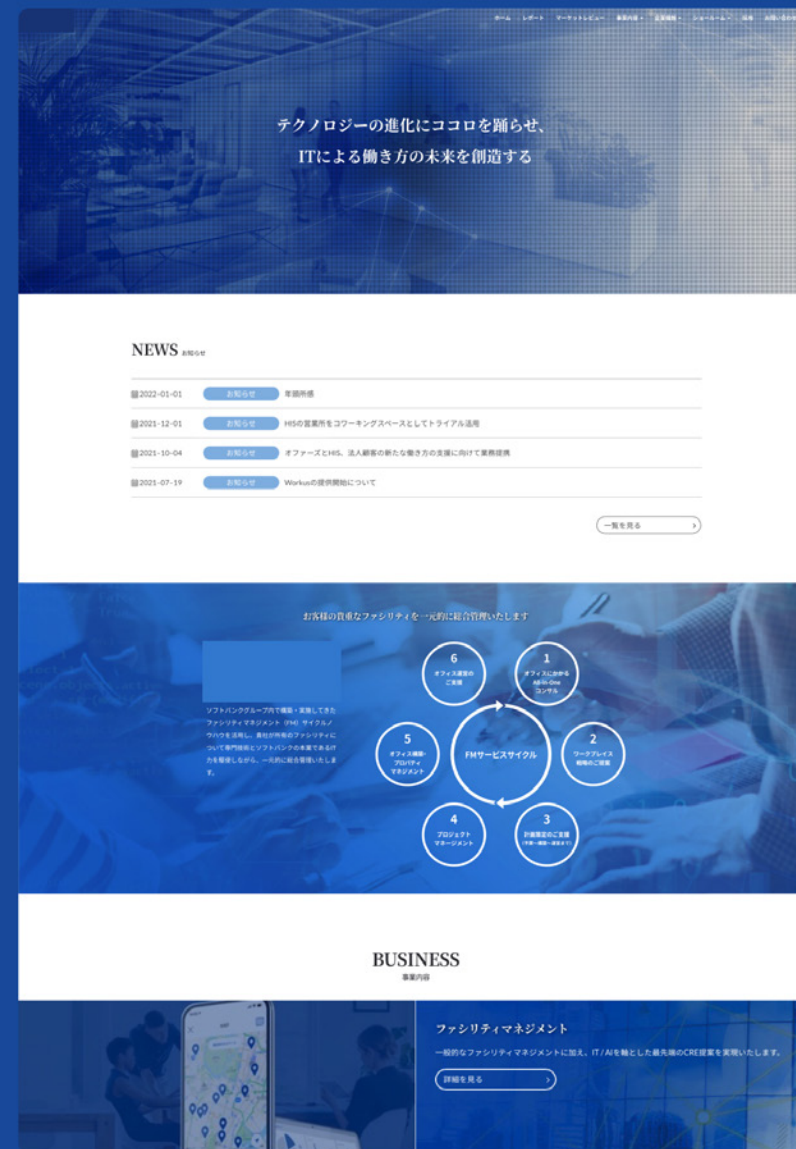
- Technology: Microsoft Azure (Hosting, Blob Storage, Service Bus) / Quartz Scheduler / Hazelcast
- Programming Language: Java / Dart / TypeScript / Swift
- Framework: Spring Boot / VueJS / Flutter

Newwave Solutions' Roles

- Development

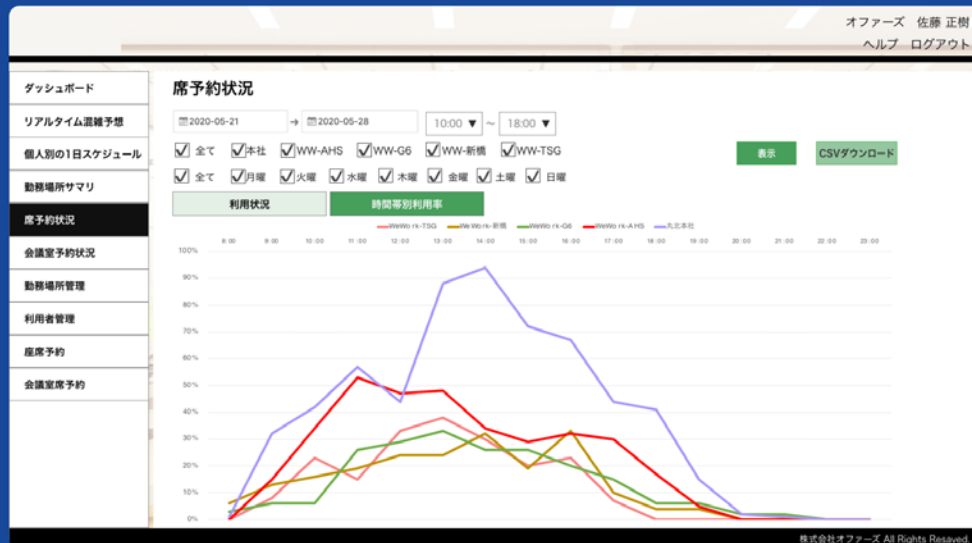
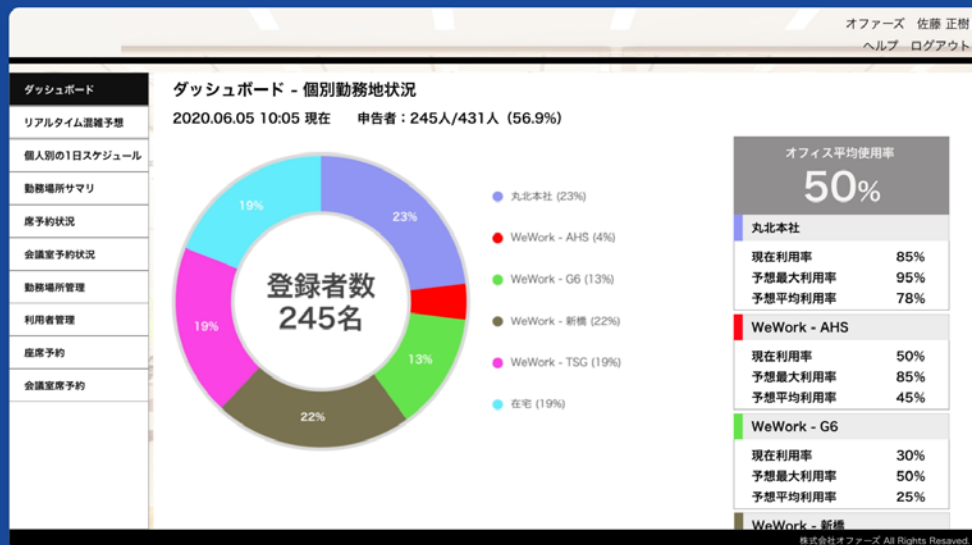
Result & Benefits

- With the app, the client was able to attract owners of more than 100 co-working spaces to use its service.



Client quote

Newwave Solutions successfully delivered exactly what was asked of them, adhering to the project deadlines. Their work, which is sure to have a significant positive impact on the business' brand received positive internal feedback. Their businesslike nature and consistency set them apart.



会議室予約

予約したい時間と人数を選択してください

丸北本社

2020/09/25

9:00 ~ 10:00

丸北本社

人数 4

取消し 検索

座席予約

予約できる座席は以下の通りです

2020/09/05 09:00 - 16:00

丸北本社 再検索

席利用状況確認

会議室	座席
社内-会議室1	6名 利用中
社内-会議室2	8名 空席
社内-会議室3	8名 利用中
社内-会議室4	4名 空席
社内-スツク1	4名 利用中
社内-スツク2	4名 利用中
社内-スツク3	4名 利用中
社内-スツク4	4名 利用中

06. The Best Virtual Mailbox Service You'll Ever Need

A virtual digital mailbox service that allows customers to view and manage postal mail and packages right on their phones

Service

Software Development

Industry

Social Network

Platform

Web & Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

Cross Platform

App Features

- Customers can access to mail 24/7.
- Customers can view and manage mail anywhere with cloud-based platform.
- The company can manage the whole process with a digital system.

Business Challenges

- Our client is oceans away from us, so they worried that time zone difference would be a barrier.

→ We follow the agile model and focus on project communication. Our team is committed to offering at least 4 hours of overlapping time to ensure real-time communication.

Technical Challenges

- Migrating a complicated legacy system with more than 1000 lines of codes can lead to architectural problems.

→ We had to carefully analyze the current state of the system, identify the problems and then conduct the legacy migration incrementally to prevent issues.





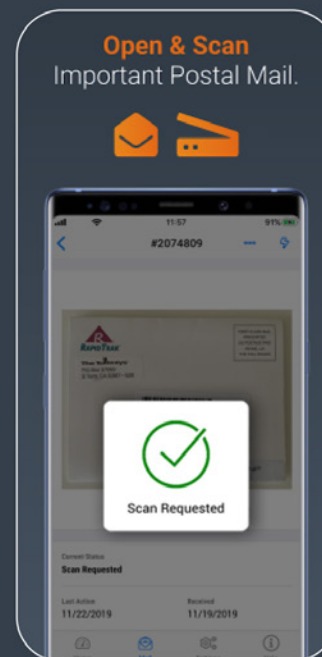
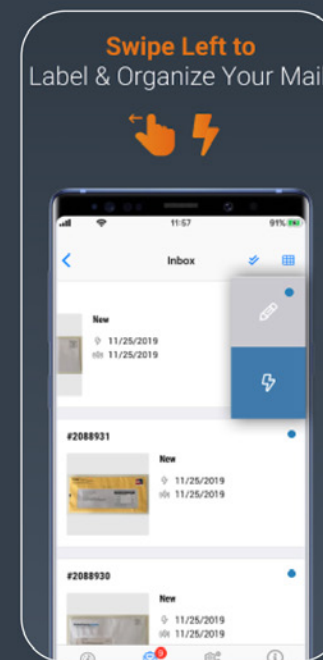
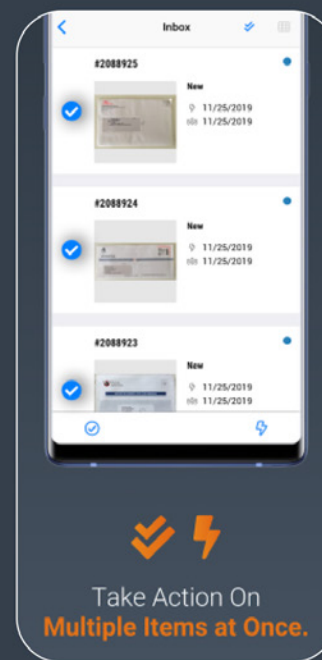
Solutions

The whole system are built with Microsoft technologies:

- .NET framework for backend and web portal
- Xamarin/Xamarin.Forms for mobile applications
- MS SQL Server for storing data
- Management Methodology: Agile

Newwave Solutions' Roles

- Development



“

Client quote

Although the product is not yet live, it performed well in user testing and with multiple stakeholders. Flexible and responsive, the team is quick to receive and deliver feedback while continuing to adjust to their client's needs. Clients can expect a dedicated and experienced partner.



“

2021 marks the 10th birthday of Newwave Solutions as the region's preferred provider in IT outsourcing. Our heartfelt THANK YOU to all of you – our customers, colleagues, and believers - throughout the last decade. Let's follow us and celebrate everything we have accomplished together in 2031.

CEO

Mr. To Quang Duy

Contact Us

 newwave.vn sales@newwave.vn +84 98 531 0203

Address

Mitec Building, Duong Dinh Nghe
Street, Yen Hoa Ward, Cau Giay Dist, Ha
Noi City, Vietnam

Japan: 1-Chome-11-8 Yushima,
Bunkyo City, Tokyo 113-0034,
Japan

Follow us  Facebook  LinkedIn  Youtube

Ready

to Revolutionize Your Business?

