

# Newwave Solutions Showcase

## Software Development



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### Domain

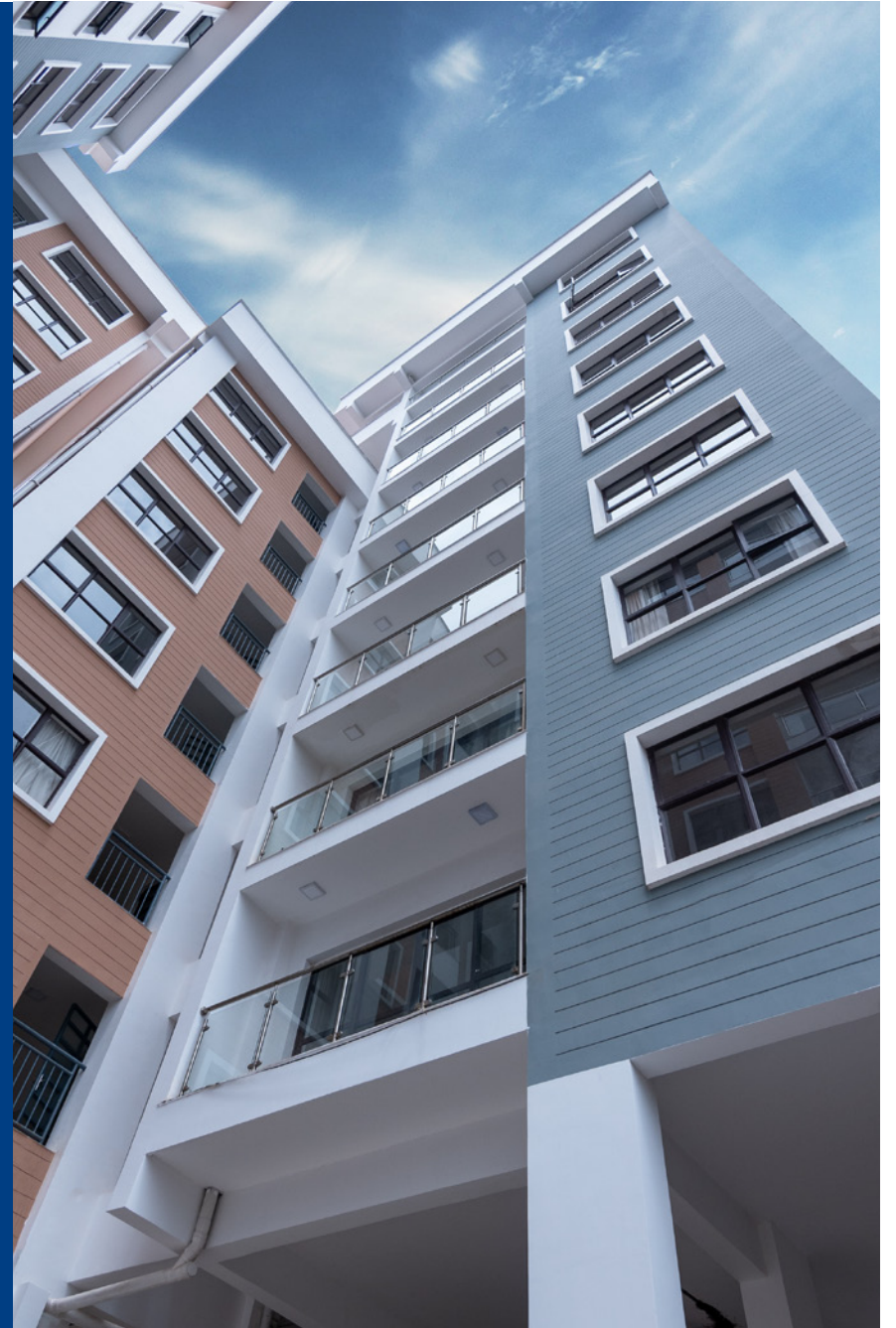
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# Real Estate



## 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

### Domain

Real Estate

### Platform

Web & Mobile  
(Android / iOS)

### Technology Stacks & Dependencies



### Type

Cross Platform

### Keywords

Real Estate App

### 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.



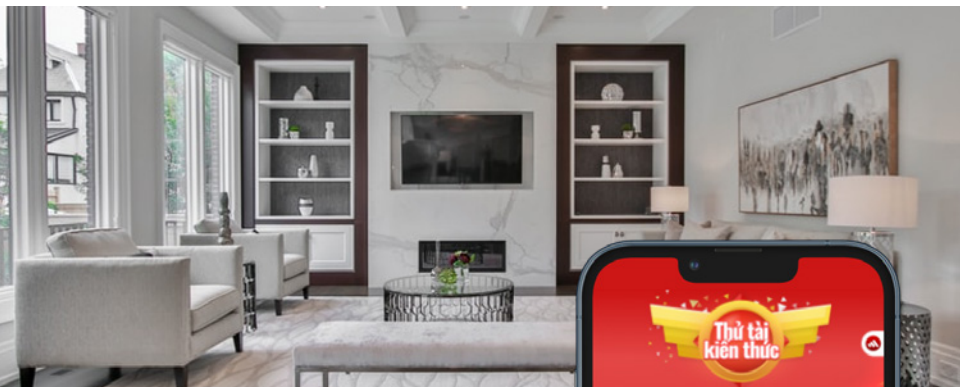
### Business Challenges

- It was not easy to create a Real estate app that can meet the expectations of all users in the real estate, technology, and finance industry. So, our team had to communicate regularly with our clients to deeply understand what they really want.

### Technical Challenges

- Create a learning management system to create online courses.
- Build a new trading system
- Create a real estate community on social media.
- Build a continuous digital transaction system.
- Create a Play-to-Earn game system within the app.
- Apply advanced technology platforms such as Microservice, Message queue, & Container orchestration (Amazon ECS).





## Solutions

- Programming Language:

Javascript Typescript Dart

Swift Kotlin

- Framework:

Angular Flutter VueJS

Wordpress



## Newwave Solutions' Roles

- Analyzing
- Management
- Development

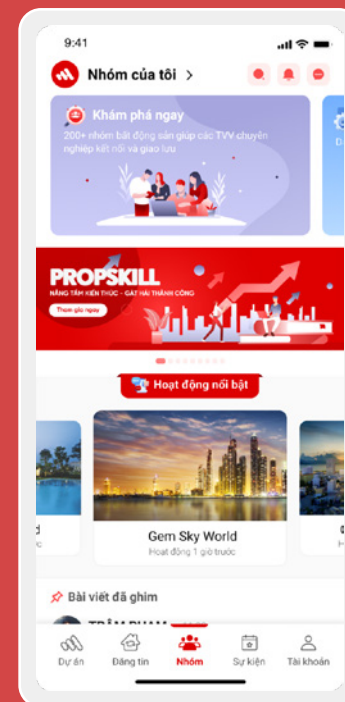
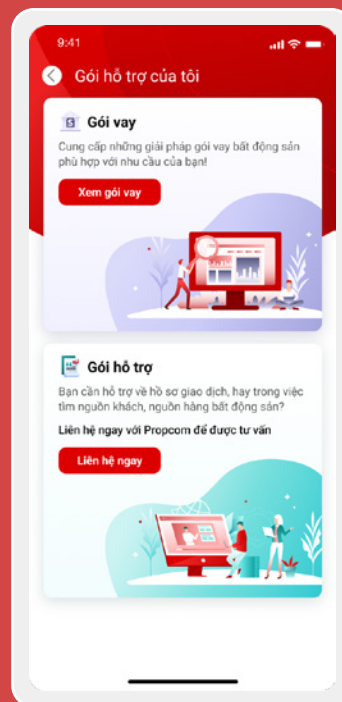
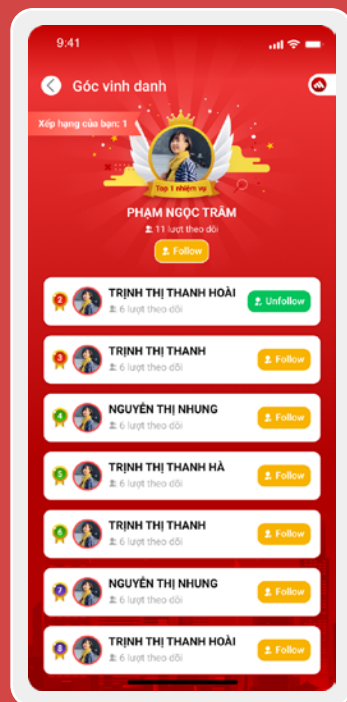
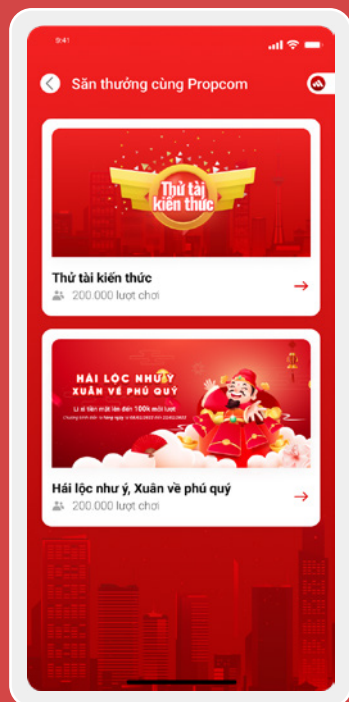
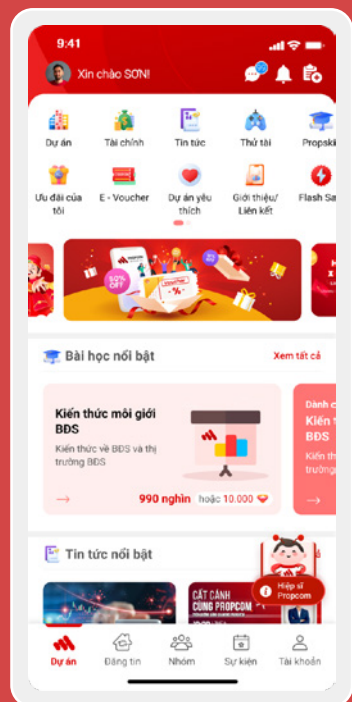
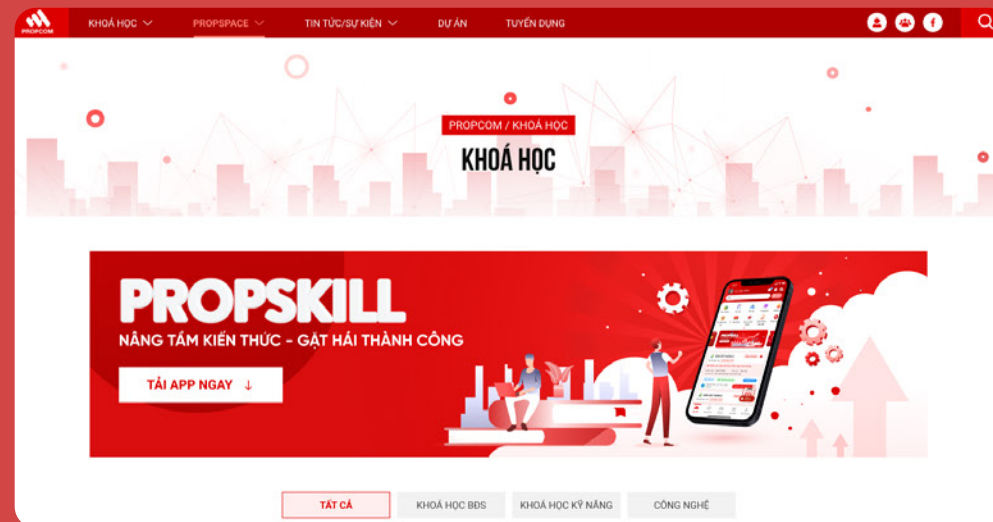
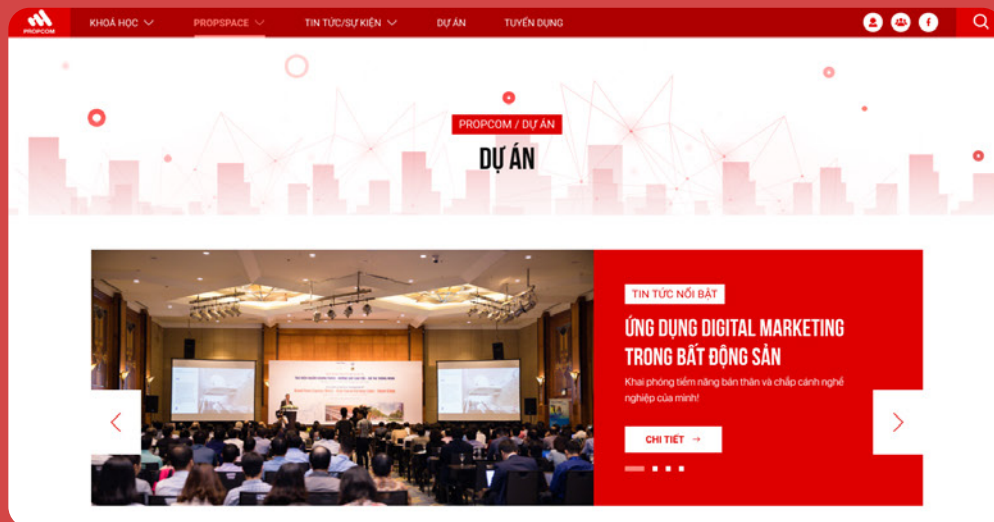
## The Result

- 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.
- The company has been hitting an exponential growth curve for years after the system implementation, its turnover **increased by 50%** after using our product.



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## Easy-to-use Real Estate App that Supports Remote Homebuyers

An app that allows real estate businesses to manage from A to Z.

### Service

Software Development

### Domain

Business

### Platform

Web & Mobile (Android / iOS)

### Technology Stacks & Dependencies



### Type

Cross Platform

### Keywords

Real Estate Apps

### App Features

Real estate businesses are able to:

- Manage projects and investors.
- Manage all product ranges (shophouses, apartments, villas, etc.).
- Manage customers and staff with online calling and chatting.
- Manage contracts, invoices and assets.
- Manage social media groups.
- Manage customers' requests.



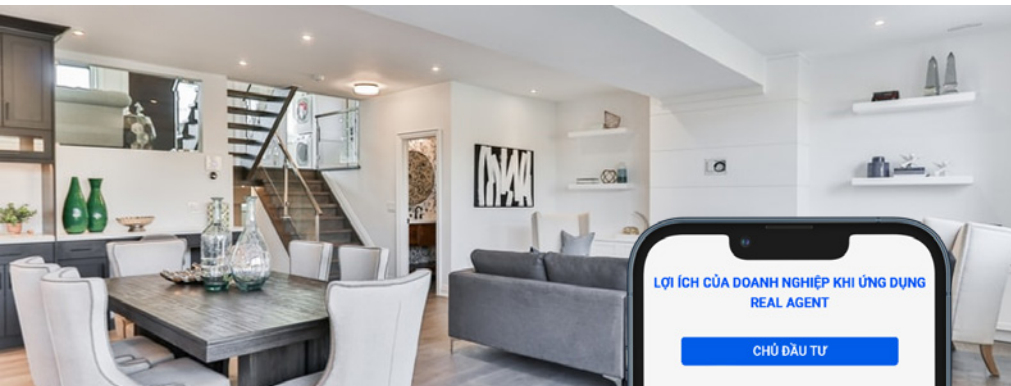
### Business Challenges

- A multi-layered business model is extremely complex to utilize in the app because it also involves many stakeholders.
- Newwave Solutions team had to do some research into the market to clearly understand the multi-layered business model.

### Technical Challenges

- We utilized AWS services to help the app operate stably 24/7 and also create a decent real-time transaction system.





## Solutions

- Programming Language:

Javascript Swift Dart

Kotlin TypeScript

- Framework:

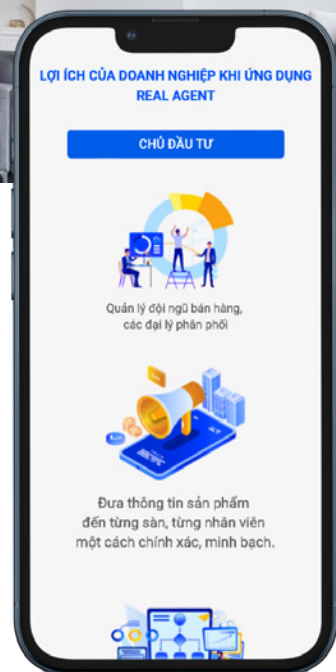
Angular Flutter VueJS NestJS

## Newwave Solutions' Roles

- Development

## The Results

- The website and app was successfully transformed to be optimized for mobile, with an improved user experience, and greater security for all users in 2019.
- When our client uses the product, they were able to generate more than **17.000 leads** in the platform lead generation campaign.



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02

# Ecommerce



## Online Service for Sharing Property Rights & Information

An online utility that helps ensure sound account management through the sharing of information on products between sellers on Amazon.co.jp.

### Service

Software Development

### Domain

Ecommerce

### Platform

Mobile (Android / iOS)

### Technology Stacks & Dependencies



Flutter



Vue.js



PHP



Firebase



AWS Marketplace

### Type

Cross Platform

### Keywords

Retail Apps

### App Features

- Shares information on products.
- Displays brand and manufacturer intellectual property information for each product, helping avoid violations of rules before they happen.
- Analyzes listings and informs sellers of products that may violate any applicable rules.
- Suggests retail price for sellers.

### Business Challenges

- Sellers on this marketplace can post listings that violate rules without acknowledgment, which might result in getting banned from this marketplace.
- The Newwave Solutions team collected and analyzed the marketplace's rules, then we developed a platform to automatically warn sellers when their listings violate any rules.

### Technical Challenges

- Our team had to effectively optimize pricing data in the cache to speed up query execution.
- We also developed a method to support scanning multiple barcodes at once and improve accuracy when they are too small or unclear.
- The development team analyzed the Amazon API Gateway to create the best IT solution to scan barcodes accurately and improve the reading speed.





## Solutions

- Programming Language:

Dart PHP Javascript

- Framework:

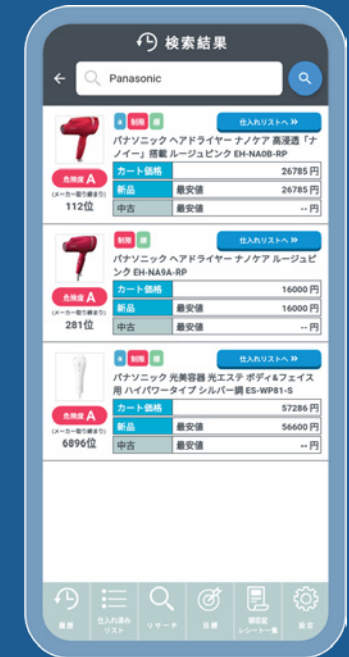
Flutter Laravel VueJS

## Newwave Solutions' Roles

- Development

## The Results

- According to the client's report, **\$212k in upsell revenue** was generated in the first year of using this e-commerce app in one user's store, although they weren't even the top user.



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03

# Social Network



# Home Service App to Connect and Hire Domestic Helpers

An app that connects families and helpers.

## Service

Software Development

## Domain

Social Network

## Platform

Mobile (Android / iOS)

## Technology Stacks & Dependencies



## Type

Cross Platform

## Keywords

Home Service Apps

## App Features

- Families and helpers can post or find jobs.
- Users can make payment, chat, video call and manage history in the app.

## Business Challenges

- Our client wanted to make it clear for both parties so that families can easily find a reliable helper, and the helpers can make money in a safe environment.
- Newwave Solutions' team suggested developing a background check feature to make the app even more trustworthy to both parties.

## Technical Challenges

- To prevent users' private data from being leaked, our team used Twilio Voice and Twilio SMS to avoid any data breach.
- The team also utilized Geocoding and Google Maps to ensure accurate distance calculation.





## Solutions

- Programming Language:

Dart Java Swift PHP JS

- Framework:

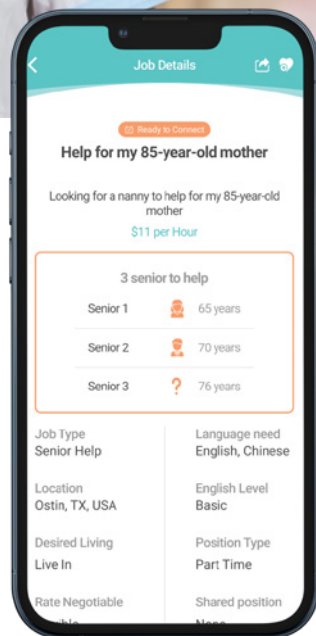
Flutter Laravel

## Newwave Solutions' Roles

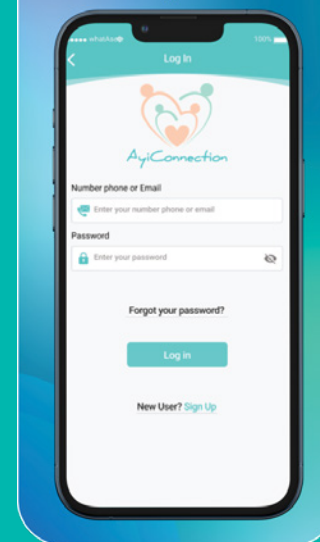
- Analyzing
- Management
- Development

## The Results

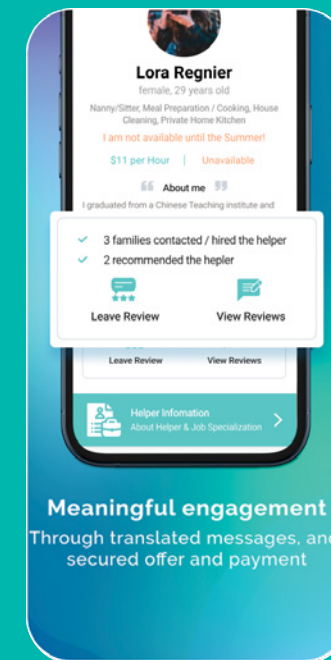
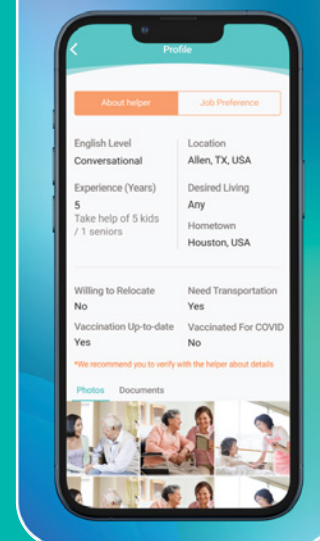
- Worked directly with the client's Newwave Solutions to quickly understand and evaluate the platform and create a plan for developing the remaining features for production.
- Assembled a team and wrapped up the frontend portion of the platform within **12 months**.
- Continuously work with the client's team supporting the live platform and adding features and functionality.



**Privacy and safety protection**  
Built-in profile risk evaluation, enhanced controls & in-app chats and calls



**Concierge available**  
To help busy parents match further



**Meaningful engagement**  
Through translated messages, and secured offer and payment

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## The Best Virtual Mailbox Service You Will 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

### Domain

Social Network

### Platform

Web & Mobile  
(Android / iOS)

### Technology Stacks & Dependencies



### Type

Cross Platform

### Keywords

Digital Mailbox Apps

### App Features

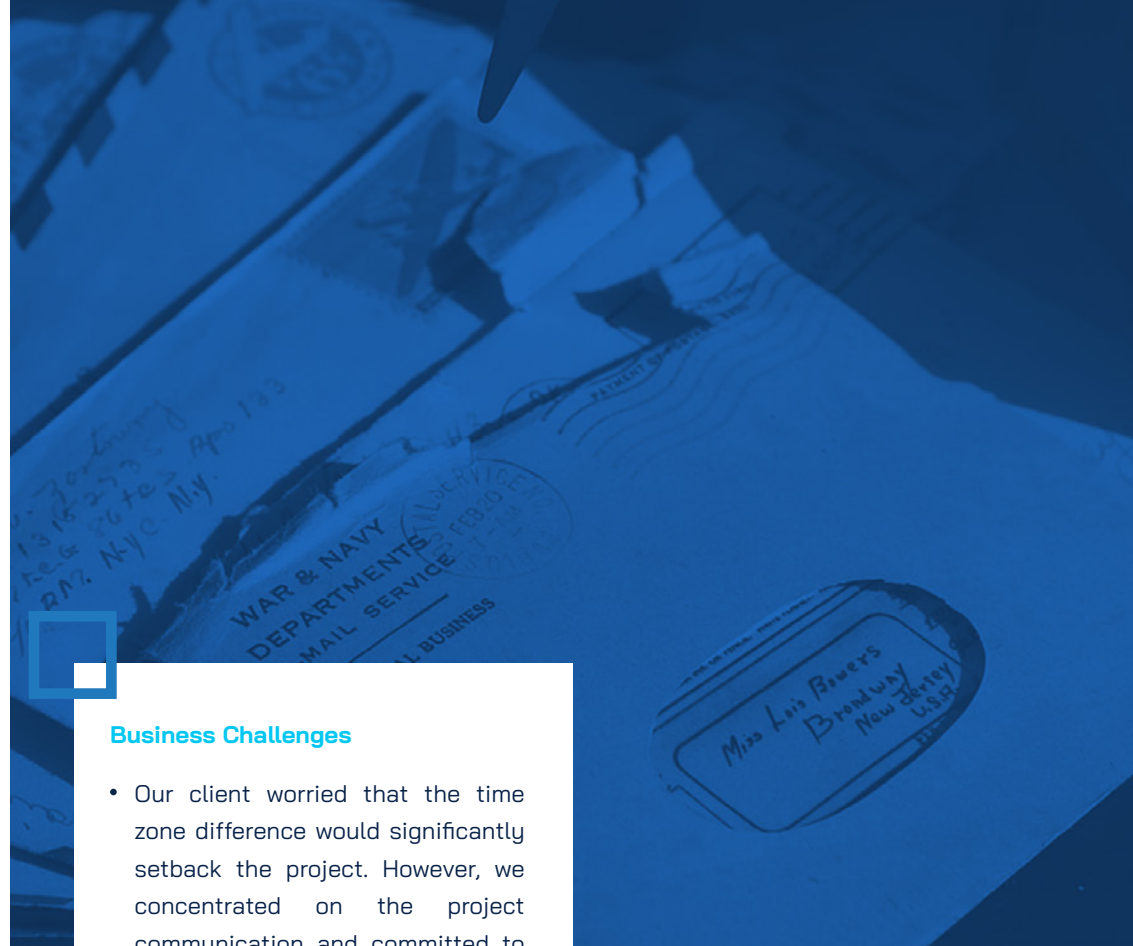
- Customers can access to mail 24/7.
- Customers can view and manage mail anywhere with cloud-based platform.
- The company can manage the whole process with a digital system.

### Business Challenges

- Our client worried that the time zone difference would significantly setback the project. However, we concentrated on the project communication and committed to offering at least 4 hours of overlapping time to ensure real-time communication.

### Technical Challenges

- We had to complete data migration from our client's Legacy Systems (more than 1 million lines of code) after carefully analyzing the system's current state and identifying every problem.





## Solutions

- Programming Language:

C#

- Framework:

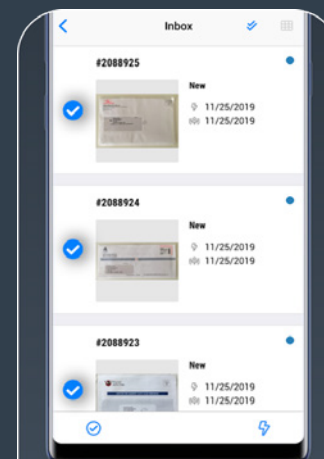
.Net

## Newwave Solutions' Roles

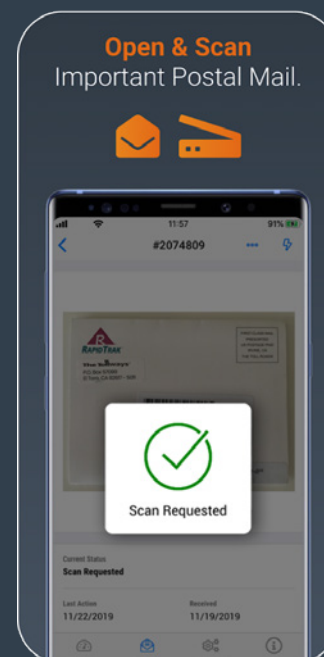
- Development

## The Results

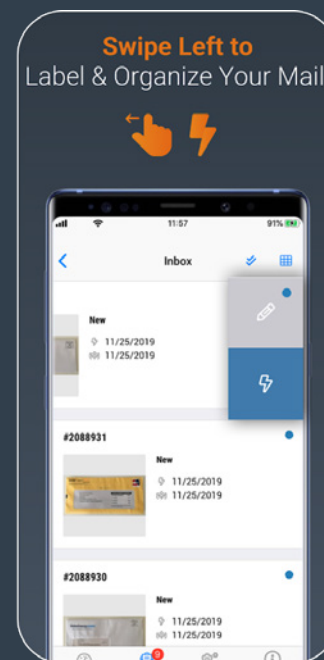
- Our client has received over **50 new customers** per day, bringing in over **\$600 of revenue** each month.
- Offering virtual mailboxes innovative provides new recurring revenue while efficiently using time and existing resources.



Take Action On  
Multiple Items at Once.



Open & Scan  
Important Postal Mail.



Swipe Left to  
Label & Organize Your Mail.

➔ View More



“

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

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