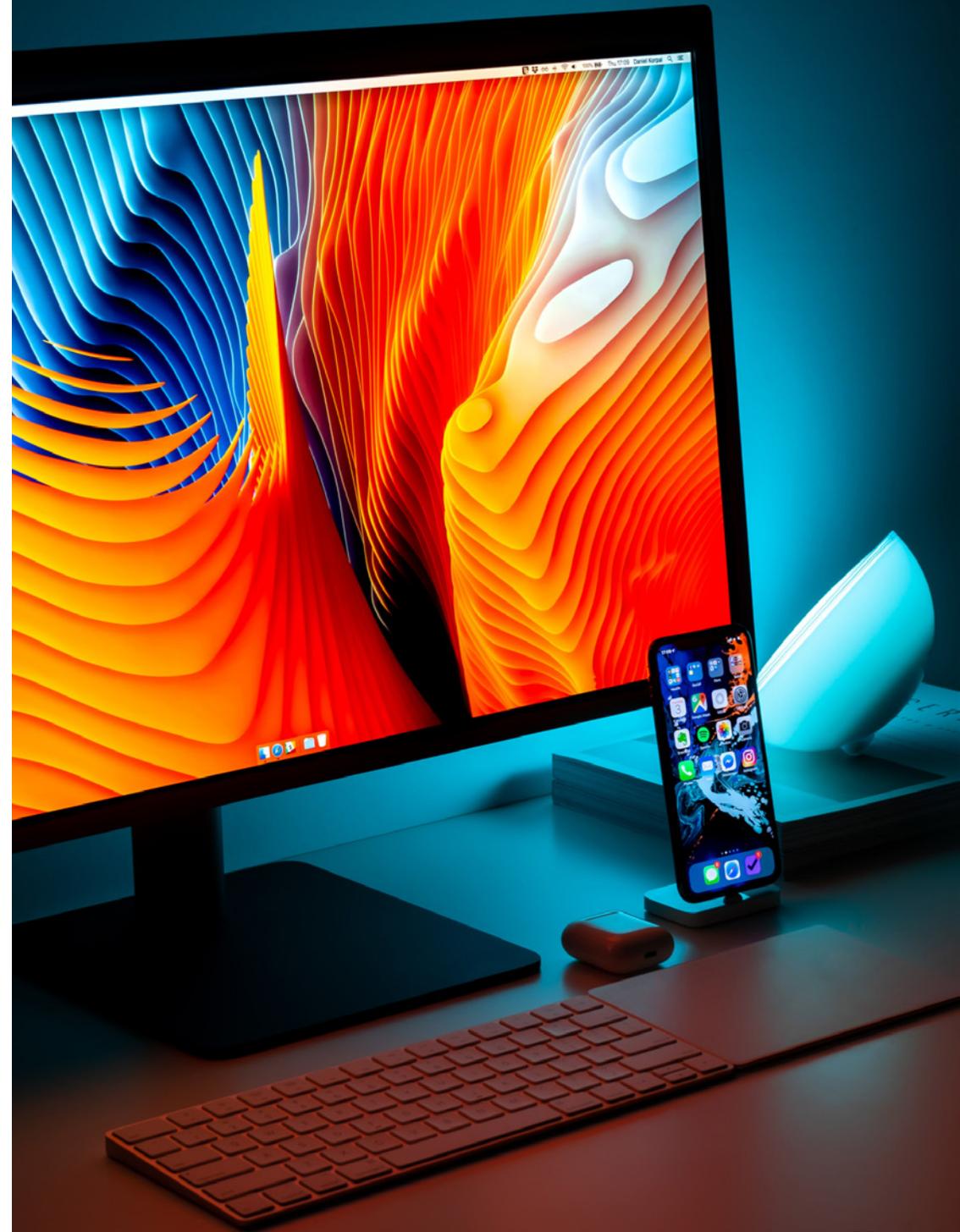




SHOWCASE

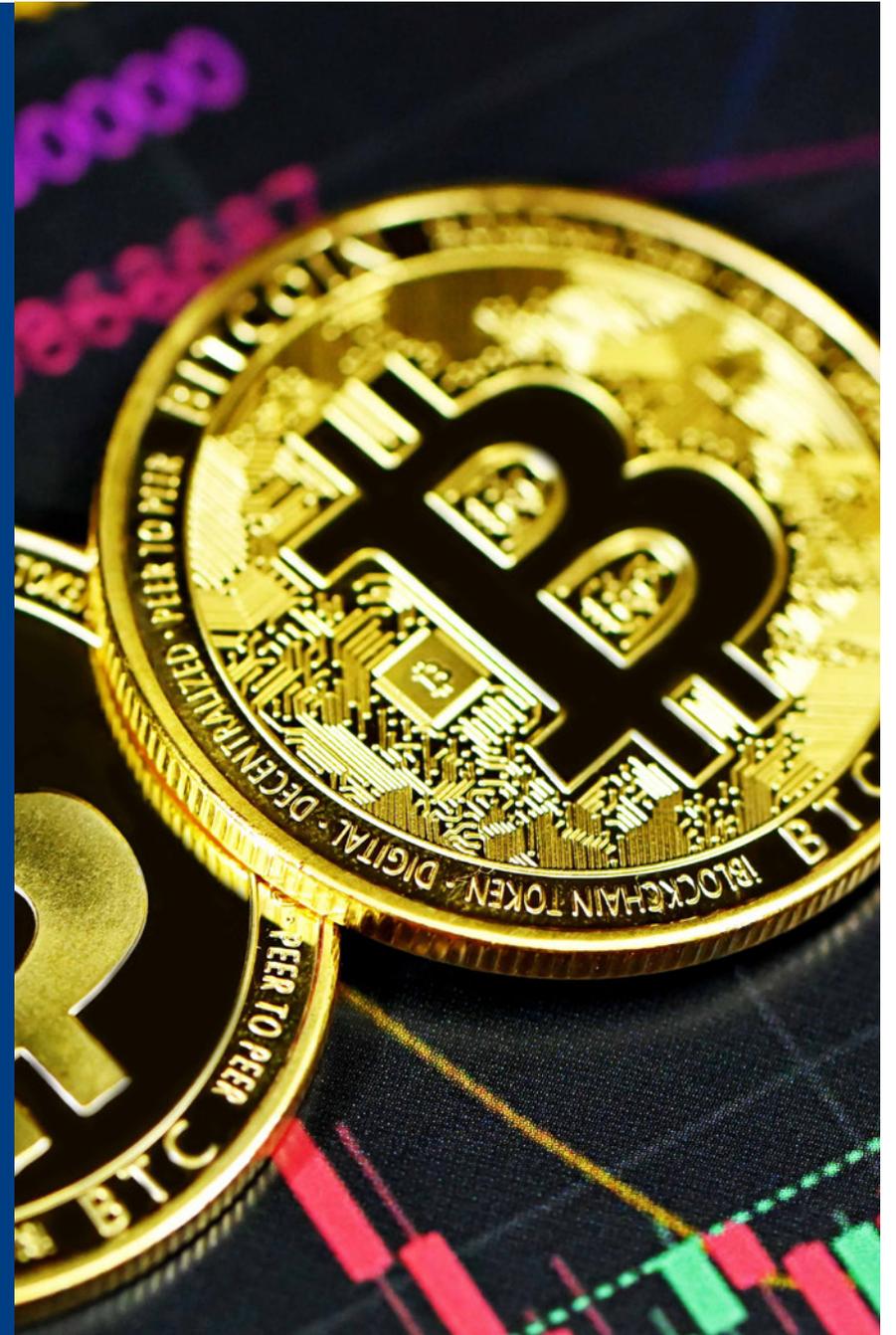
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01

Blockchain & Game Development



Blockchain POC App with Web & Mobile Wallet

A blockchain project where we were responsible for the operation of a blockchain infrastructure, source code and Proof of Capacity (PoC) development. It also involved mining and plotting tool, explorer, web wallet, mobile wallet, etc.

Service

Software Development

Domain

Finance

Platform

Web & Mobile
(Android / iOS)

Technology Stacks & Dependencies



Type

Blockchain

Keywords

Blockchain PoC App

App Features

- Node: A file built to act as a node in the blockchain network.
- Web Wallet: A digital wallet on a web platform.
- Mobile Wallet: A digital wallet in a form of a mobile app.
- Scan Web: An explorer that provides an easy way to search for blockchain information.
- Pool: A mining space that allows users to mine cryptocurrency blocks
- Grower: A mining tool.



Business Challenges

- Our client was still building their system, so they frequently changed plans. So, we had to regularly communicate with the client to get updated with their new requirements or changes.

Technical Challenges

- Proof of capacity (PoC), a consensus mechanism algorithm used in blockchains for mining devices, is more challenging to build and operate than traditional systems. Therefore, we had to research and learn from similar systems to find the best solution for our client.





Solutions

- Programming language:

Javascript Java PHP

- Framework:

Angular

Newwave Solutions' Roles

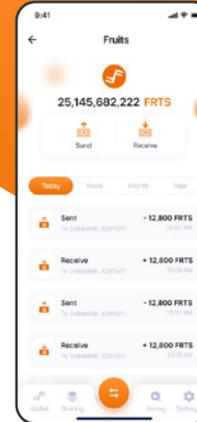
- Analyzing
- System Design
- Management
- Development
- Test

The Result

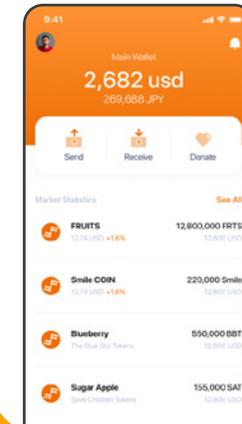
- The initial PoC was rapidly put into production and provided the customer's first consumer-facing responsive website, including features such as online consumer payments.
- There are more than **50.000 downloads** and **1.000 reviews** on iOS & Android.



The main screen shows the transaction of FRUITS

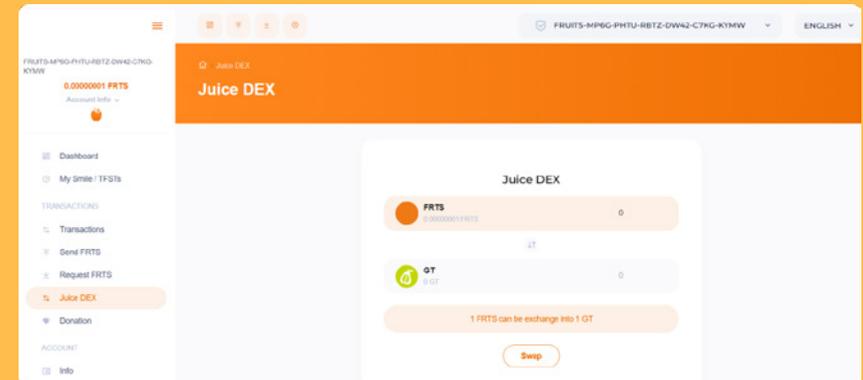


The main screen shows the transaction



Show details of each purchase and sale transaction

A digital wallet on a web platform.



→ View More

An Easy-to-Follow Digital Wallet App That is Profitable

EJS Staking Application provides staking pools for users to carry out stake transactions and earn profits by claiming rewards on betting pools.

Users need to connect with blockchain wallets or use WalletConnect to connect to other wallets before carrying out steps like stake/staking more/unstake/restake/claim reward.

Service	Domain
Software Development	Finance
Platform	Technology Stacks & Dependencies
Web & HTML Game	  
Type	Keywords
Blockchain	Digital Wallet App

App Features

- Allow users to log in with blockchain wallets.
- Display staking pools with many types of tokens.
- Allow users to stake into a pool to get profits.
- Allow users to restake into another pool.
- Allow users to claim rewards or unstake from pools.



Business Challenges

- The team does not have experience in tackling staking flow with smart contract

Technical Challenges

- The NFT game requires an open-source protocol for digital wallet connecting.
- We used WalletConnect, a popular but very complex third-parties tool that supports and secures games with all digital wallets.
- The team had to research and discuss with our clients many times to successfully implemented WalletConnect into the app.



Solutions

- Programming Language:

Javascript

- Framework:

NodeJS

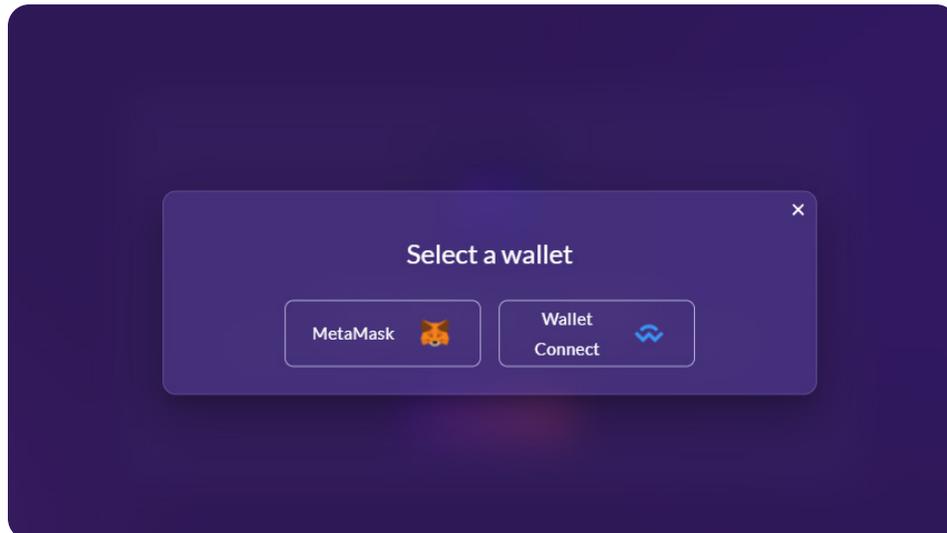
ReactJS

Newwave Solutions' Roles

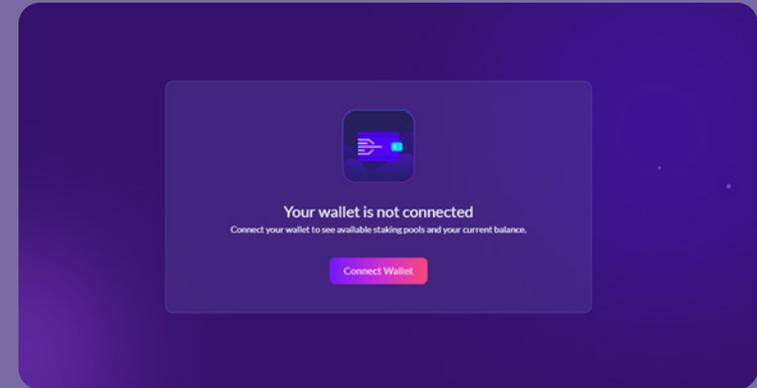
- UI/UX Design
- Development

The Result

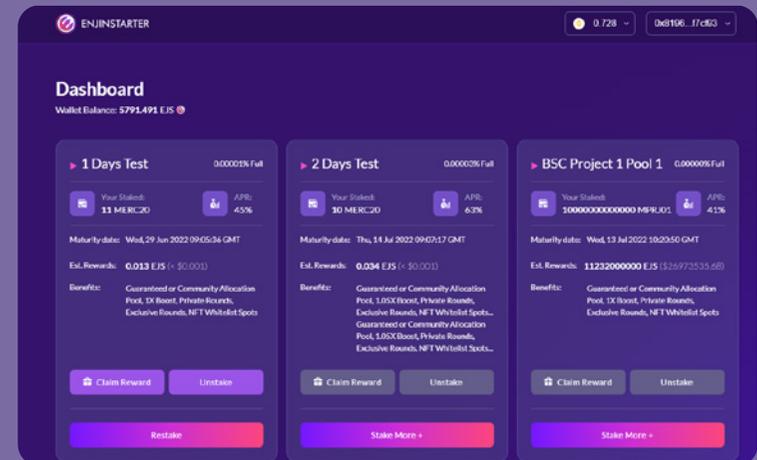
- Our clients left very positive feedbacks on top review site for us.
- Within 120 days, Newwave Solutions finished this project and the digital wallet has currently **13.000 users** at the moment.
- Our team supports the client 24/7 and solve their issues in real-time, so the number of arising issues went down and our client was able **to reduce their budget** for support services by **50%**.



Allow users to log in with blockchain wallets.



The dashboard shows that users can claim rewards or unstake from pools.



[View More](#)

Fantastic NFT Card Game for Entertaining & Mining

Infinity Arena is a metaverse game built with various functions such as Game Mining, Game Card Battle, Lottery Game and Staking System. With NFT, you can enter the game to mine Zeronium and fight to earn token and valuable NFT products. Token and NFTs in game can be exchanged, bought and sold by gamers to convert into real money.

Service

Software Development

Domain

Entertainment

Platform

Web & Mobile
(Android / iOS)

Technology Stacks & Dependencies



Type

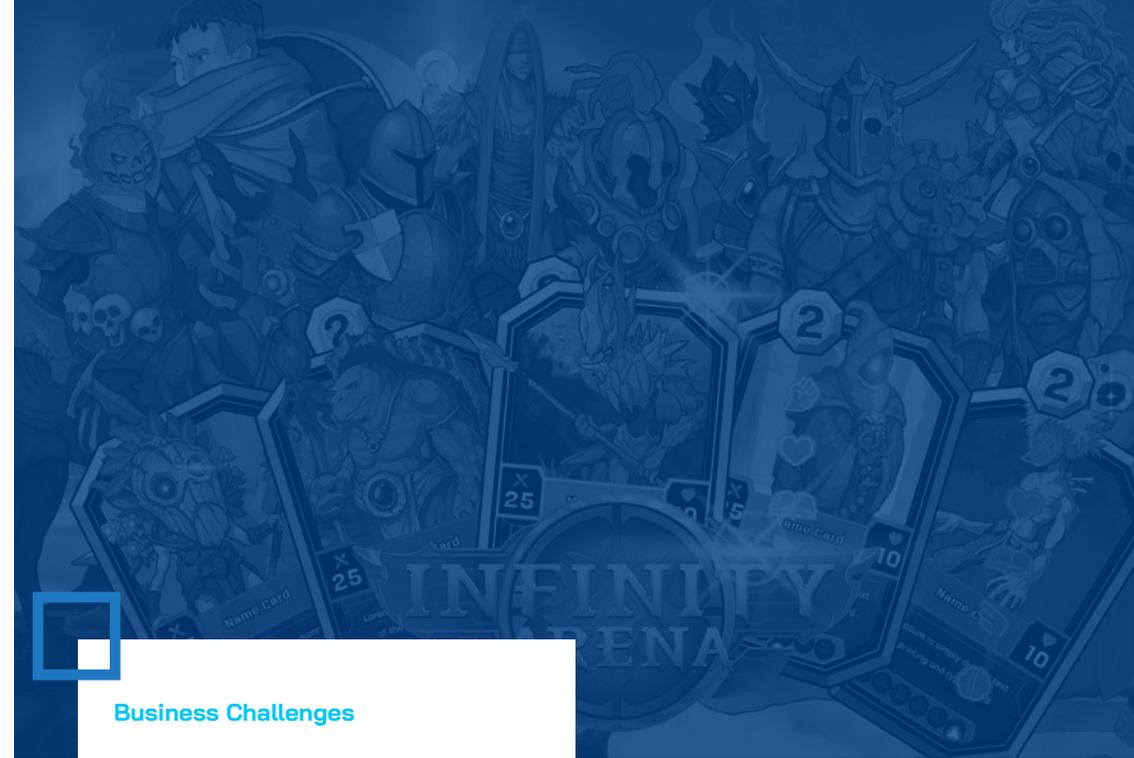
Blockchain

Keywords

NFT Game, Blockchain Game

App Features

- Having its token to operate the ecosystem in the game.
- Game Mining: Using NFT Land, Machine to mine tokens in the game.
- Game Battle: Using the NFT Guardian Card to complete the Quest, compete with other players to earn rewards in the game.
- Lucky Arena: Including many mini-games for players to play daily to earn rewards for lucky people.
- Staking Arena: Players can stake tokens to earn more profits at Return on Fixed Capital or to get tickets to play mini-games.
- Training Arena: Players can upgrade existing NFTs with higher rarity and value.
- Marketplace: Players can buy, sell and exchange NFTs with each other there.



Business Challenges

- We needed to gain experience in raising funds, building communities, and working in marketing when it comes to blockchain.
- As a result, the team had to hire and cooperate with other blockchain experts to ensure that we completed our project on schedule.

Technical Challenges

- Make sure the system has minimal security errors and large withdrawals. Figure out a more efficient way to control data sync between on-chain and off-chain transactions.
- Avoid making the same mistakes that other blockchain projects did, like missing ROI.
- We are building new communities in the field of blockchain from scratch.
- Cooperating with many Blockchain experts to ensure the project is finished on schedule.



Solutions

- Programming language:

Typescript Solidity

- Framework:

Nestjs Colyseus Openzeppelin

Cocos2d-JS Cocos Creator

Newwave Solutions' Roles

- Analyzing
- Management
- Development
- UI/UX Design

The Result

- The system has been launched and there are **no security issues** until now.
- It includes the monitor system to detect and support players when the system makes the game interrupted.
- There were more than **1.000 users** as soon as the game was released after one week.



Battle: Gamers use the NFT Guardian Card to complete the Quest and compete with other players to earn rewards in the game.



Lucky spin includes many mini-games for players to play daily to earn rewards for lucky people.



[View More](#)

An Easy-to-Follow Digital Wallet App That's Profitable

It is an online game with the aim of the user to achieve the highest score than any player else in the day to get awards and players can enjoy the game on any device that has a web browser.

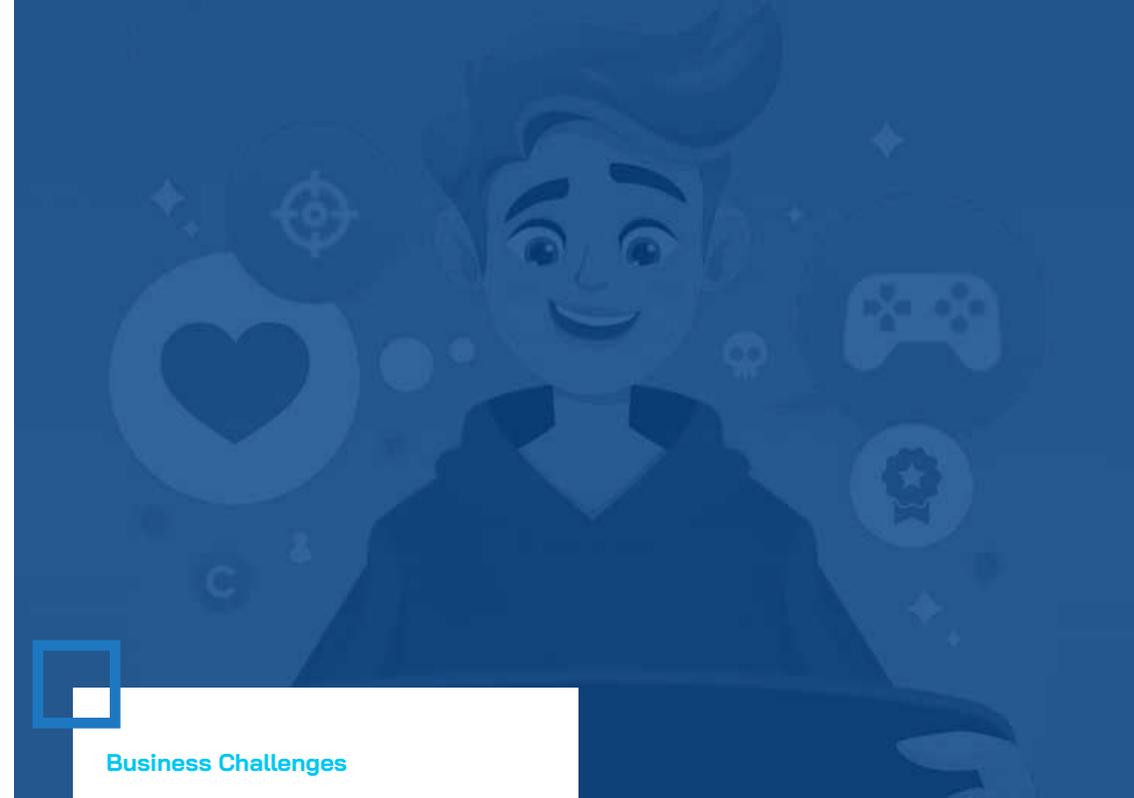
Players must choose similar and close items to identify the target level with monsters in one round. The more extended connection, the more lethal level, and the players' scores are.

Defeating all monsters in one round will move you on to the next level with more difficulty and higher monsters' attack & defense. Therefore, players will need to connect items more wisely and as quickly as possible.

Service	Domain
Software Development	Entertainment
Platform	Technology Stacks & Dependencies
Web	  
Type	Keywords
NFT Game	NFT Game, Blockchain Game

App Features

- The online game has the function of managing the player's account.
- Save history game and rank player's position by day.
- There is a reconnect mechanism when the player suddenly has no connection and is out of the game.
- There is an Authoritative Server mechanism to prevent players from cheating. The server will authenticate all player actions on the client.
- Top players can get awards from the game, which is run a calculation by a fixed time every day.

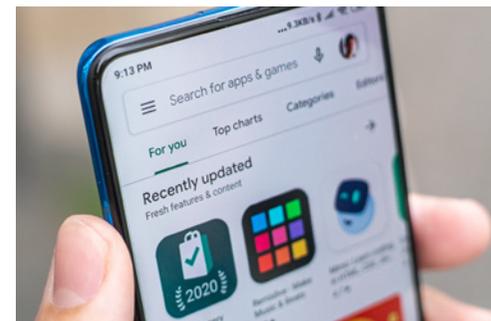


Business Challenges

- It is essential to ensure that the game information and data that our client provided are always correct and not misleading players.
- Creating a community and social media for the NFT game.

Technical Challenges

- Ensure the game loading speed is fast enough while also producing a stable performance on all mobile devices (iOS & Android).
- As an NFT game with complex play mechanics, our team had a hard time trying to fix and prevent cheating in any form.





Solutions

- Programming Language:

Typescript Javascript

- Framework:

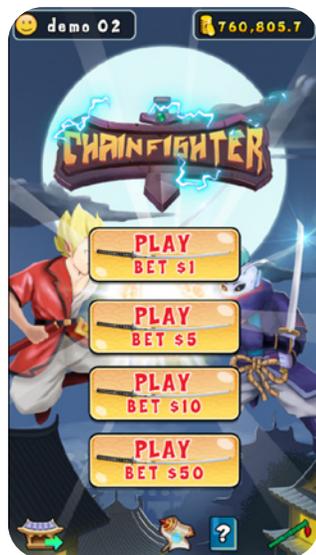
Cocos Creator Cocos2d-js

Newwave Solutions' Roles

- Analyzing
- Development
- Art Design

The Result

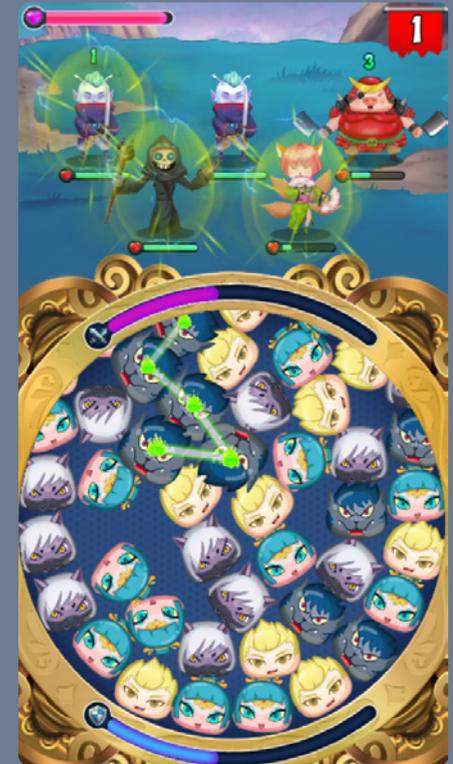
- The game has been completed and appeared on the customer's web game system.
- Up to now, there have been no issues related to player cheating. The solution is now a highly secure application that provides high and stable performance. As a result, the performance was increased **dozens of times** and attracted **15.000 new gamers**.



Save history game and rank player's position by day.



Gameplay: Chainfighter



[View More](#)

A 2D NFT Game Connects to Crypto Currency Wallets

It is a 2D NFT Game which is a kind of fighting game connecting to cryptocurrency wallets.

Service

Software Development

Domain

Entertainment

Platform

Web, Desktop, & Mobile
(Android / iOS)

Technology Stacks & Dependencies



Type

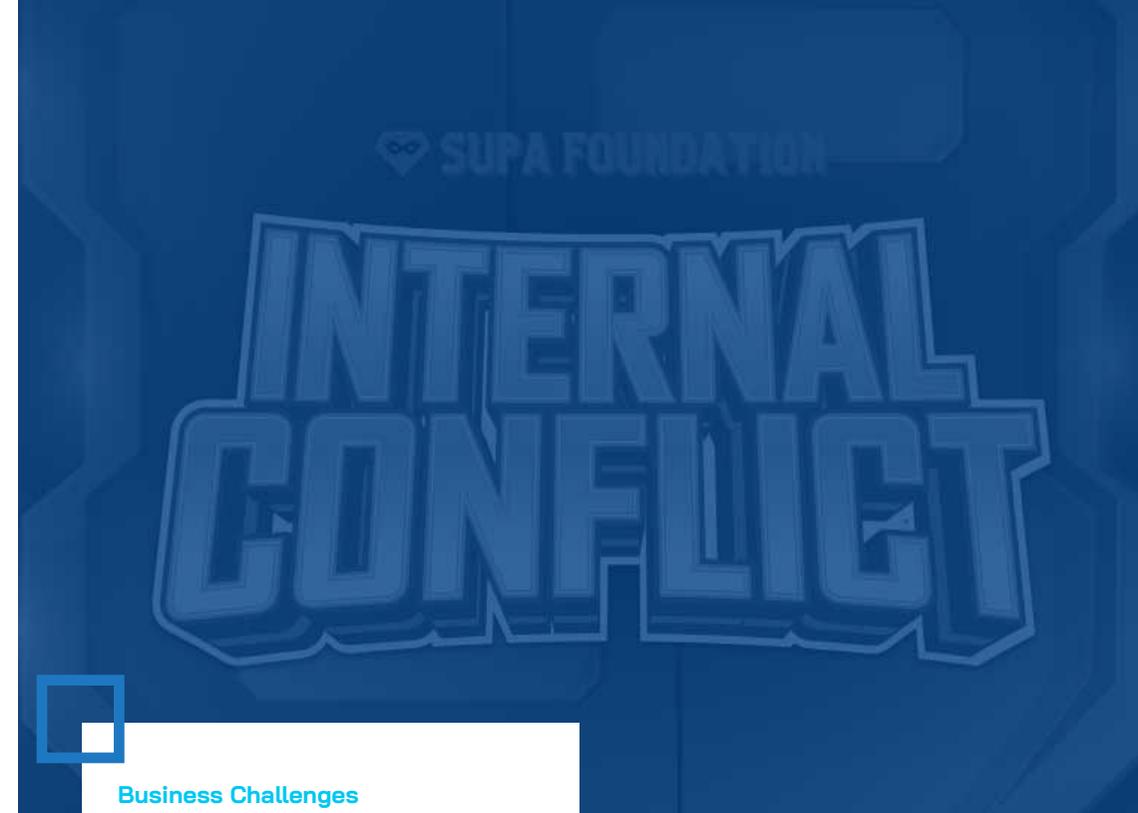
NFT Game

Keywords

NFT Game, Blockchain Game

App Features

- Select cards, decks, and heroes.
- Play in casual mode, event mode, and ranked mode.
- Daily quest to get awards.
- Have an admin page and statistic page - Friend chat, Friend's challenges.



Business Challenges

- The game has multiple rules to tackle and the original interaction between each type of hero was very complicated.

Technical Challenges

- The app performance had a bit of trouble when loading data from the blockchain during the development process so we changed to Colyseus game server to fix the issue.
- We also wrote and balanced the game's complicated rules and card abilities in battle many times to achieve the right balance and fair for all players.



Solutions

- Programming Language:

Typescript

- Framework:

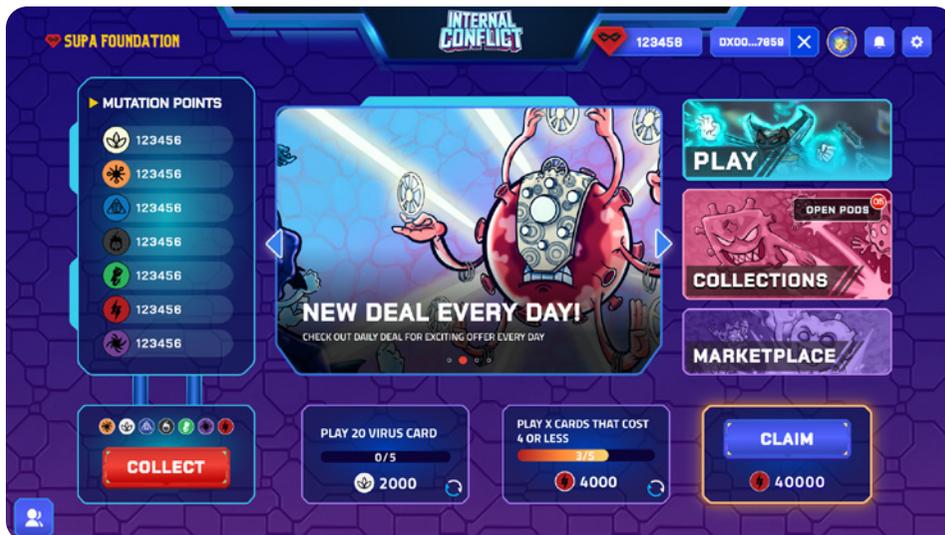
Colyseus Cocos creator

Newwave Solutions' Roles

- Functional Specification Definition
- UI/UX Design
- Game Art Design
- System Design
- Development
- Management

The Result

- The game attracts more than **30.000 players** and contributes to an increase of **30% in revenue** for our client.



Gamers select cards, decks.



Users play in casual mode, event mode and ranked mode.



[View More](#)

Earning Billions in an Immersive 3D Game with Spatial Sound

A 3D game with in-game voice chat for multiple players.

Service

Game Development

Domain

Entertainment

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

Native App

Keywords

3D Game, Mobile Game

App Features

- Creates an online virtual space for fans.
- Players can easily interact with each other through voice chat, talk events, dress-up, mini-games, etc.
- Players can support the company through gacha events.

Business Challenges

- Our team was allocated limited time to finish the project, yet it took so much time to work on elements of the app.
- We decided to arrange weekly meetings with our clients so that we could clearly understand what they wanted and comply with their requirements, avoiding having to edit many times.

Technical Challenges

- The client wanted a game with simulates the 3D positional voice that is indistinguishable from the real world.
- Our development team had to test a variety of techniques and tools like Vivox Voice Communication Service to come up with the best solution to achieve the perfect in-game voice chat.



Solutions

- Programming Language:

C/C++

- Framework:

UE4 Vivox SDK

Newwave Solutions' Roles

- Development

The Result

- **Thousands of players** visit the game every week.
- **95% of players** are satisfied with the UI/UX design.



Gameplay: Brex Athletic Rage



[View More](#)

02

Mobile App Development



This App Can Help You Make Better Medication Decisions

An app that provides users with information on pharmaceutical drugs.

Service

Mobile App Development

Domain

Pharmaceutical

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

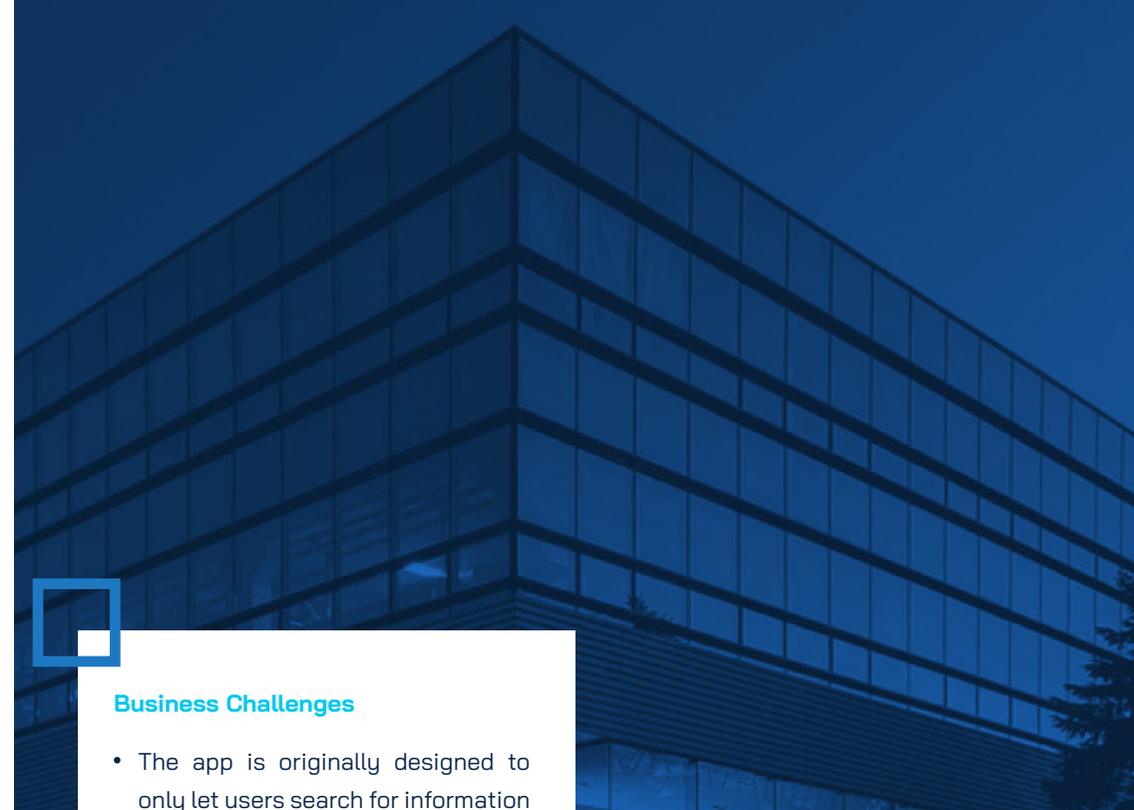
Cross Platform

Keywords

Medication Apps

App Features

- Users can browse information like ingredients or side effects of more than 12.500 types of OTC drugs and 22.000 types of prescription drugs.
- Users can browse using drug names, barcodes or QR codes.



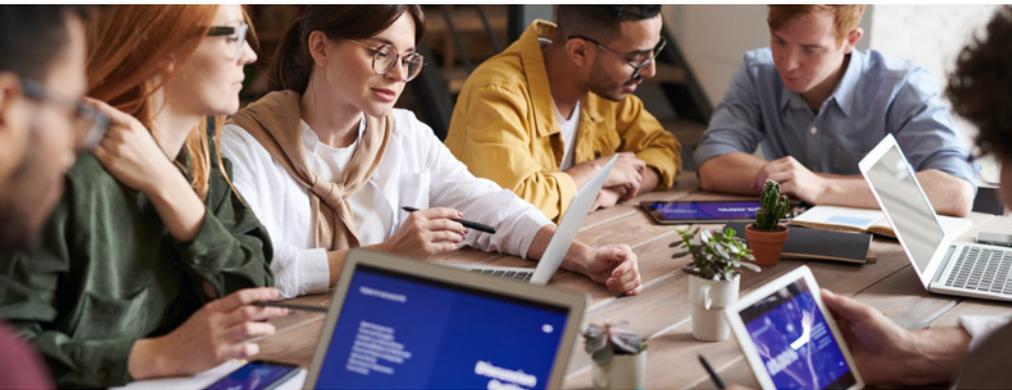
Business Challenges

- The app is originally designed to only let users search for information using medication names, which can sometimes be inconvenient. Therefore, our team suggested and successfully developed more search methods like scanning barcodes and QR codes to improve the search feature.

Technical Challenges

- Newwave Solutions team had to maintain and update new features while ensuring system stability.
- We wrote testing source code to ensure correctness throughout the maintenance process and successful new features updating.





Solutions

- Programming Language:

Javascript Typescript Swift

Objective-C Java Kotlin

- Framework:

React-native Ignite

Newwave Solutions' Roles

- Development

The Result

- User can search over **12,500 OTC drugs** and over **22,000 prescriptions** on the app.
- **Hundreds of thousands** of people have installed and used the app on iOS and Android.



Screenshot shows drug names



Ingredients include banned substances.



Ingredients do not include banned substances.

[➔ View More](#)

Save More with Advanced Apartment Search

An app that allows users to access rental information in Japan.

Service

Mobile App Development

Domain

Ecommerce

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



MAP



Java



SWIFT

Type

Native App

Keywords

Apartment Rental Apps

App Features

- Helps users save time with many search filters.
- Provides users with information about rentals.



Business Challenges

- Our software development team did not have much information about the house rental market in Japan, so it was nearly impossible for us to understand what our clients really wanted.
- We spent a lot of time learning about the rental market in Japan to understand what the local people need and were struggling with when trying to find houses for rent.

Technical Challenges

- We optimized the filter feature so users can search and locate a specific location easily and accurately based on categories such as stations, rentals, or factories.
- Since the database was massive we had to use a new method to collect and display all rental information.
- Our team conducted a survey to gather user opinions in Japan to understand what they truly want from a real estate app so we can ours.





Solutions

- Programming Language:

Java Swift

Newwave Solutions' Roles

- Development

The Result

- The time a bot takes to augment the searching process has been **reduced to 57%** less than searching on the Internet.

Available apartments.



Detailed information about house.



Detailed information about apartment.



➔ View More

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

Domain

Ecommerce

Platform

Web & Mobile
(Android / iOS)

Technology Stacks & Dependencies



Type

Native App

Keywords

E-commerce Apps

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.

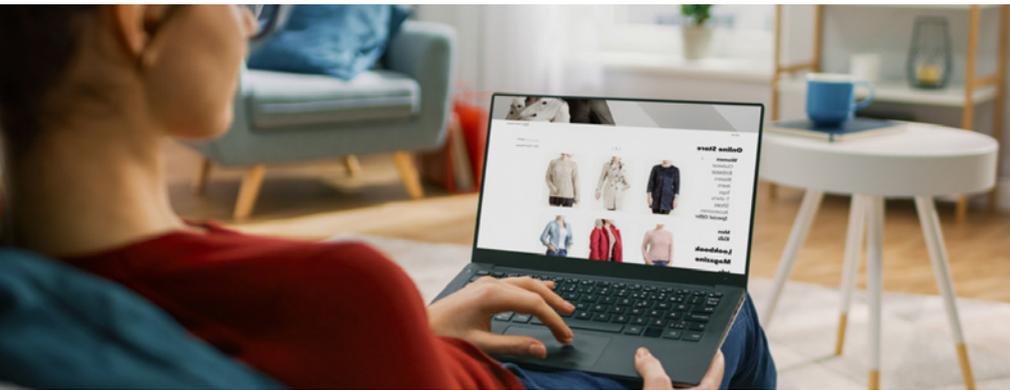
Business Challenges

- The business requires many complex steps, from creating a design to shipping the final product out to the customers.
- Our team had to learn about the market to understand all the steps involved in the process to be able to develop a platform that meets all stakeholders' expectations.

Technical Challenges

- We adopted AWS services (RDS, EC2, ELB, Route53, Cloudfront, etc.) to ensure the app's stable performance under high traffic and stressful loads.
- To keep all of the user data safe, our team needed to come up with a long-term plan to ensure the systems are constantly and securely monitored.
- We immediately supported our client to solve any problems that occurs after the app is released.





Solutions

- Framework:

ReactJS CakePHP Android

Java Swift

- Programming Language:

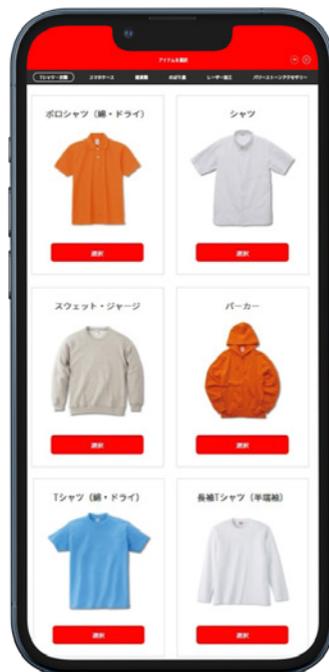
Javascript PHP Java

Newwave Solutions' Roles

- Analyzing
- Management
- Development

The Result

- Newwave Solutions delivered significant performance improvements across all the Up-T sites under its management, with scores on Google Page Speed Insights ranging from **90- 95**.
- The page speed is **below 1.1 seconds**.
- Increase in around **35% organic traffic** in the Japanese market.



Allows users to create and sell their own designs with the help of the system to print and ship out orders.

無料で作って、売って、買える1オリジナルTシャツUp-T

お問い合わせの前に よくあるご質問 24時間対応 (年中無休) メールでお問い合わせ

アイテム・クリエイターを絞り 検索 0120-86-4321

トップ アイテム一覧 購入したい方へ 販売したい方へ 各種サービス 大口・クラスT ログイン カート 0

なら1枚からでも
オリジナルTシャツが作成できる!

1枚たった**1,000円**で(税込1,100円)
オリジナルTシャツが制作できます。
※プリント代込み・100枚以上まとめて割適用

テレビCM放映中!

簡単デザインツールで
Tシャツを作ってみる

1枚でも何枚でも
送料0円

完全無料! R Pay 楽天ポイント 使える!

迷ったらこれ!おすすめ定番アイテム

定番長袖Tシャツ	軽量プルパーカー
豊富なサイズとカラー展開で使いやすい定番ロングスリーブです。	軽めの素材を用い、ライトな着心地を実現した軽量プルパーカー。
1,400円 (税込1,540円~)	2,000円 (税込2,200円~)
カラー: 15色	カラー: 12色
サイズ: 110~3XL	サイズ: 110~XXL

3分で完成! あなたのオリジナルアイテム

- 1 画像をアップする
- 2 オリジナルアイテムの完成
- 3 オリジナルTシャツをその場で購入

➔ View More

The Most Helpful and Free App for Any Parking Space Search

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

Service

Mobile App Development

Industry

Ecommerce

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

Cross Platform

Keywords

Parking App

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.



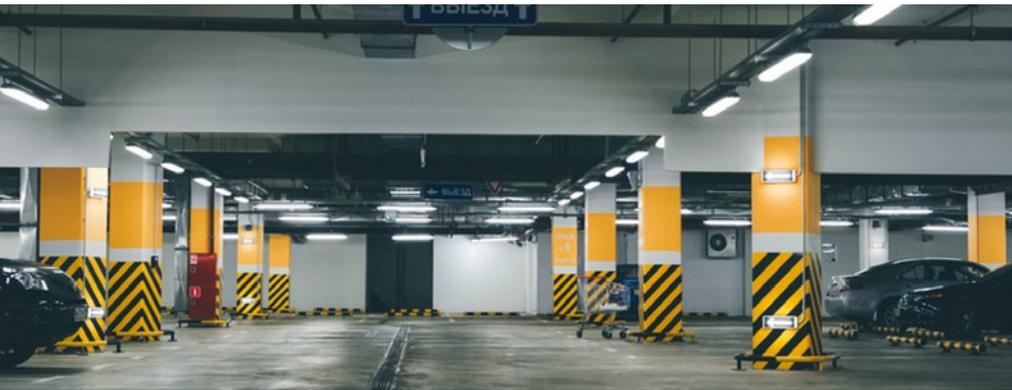
Business Challenges

- We did many research and surveys to understand what drivers in Japan had to go through so we can create an app that has the right features to help them register and find parking lots easier.

Technical Challenges

- We enhance the app connectivity to make sure the real-time feature works all the time perfectly.





Solutions

- Programming Language:

Dart

- Framework: Flutter

Flutter

Newwave Solutions' Roles

- Analyzing
- Management
- Development

Results & Benefits

- This e-commerce site can accommodate ever-increasing sales as it expands across global markets.
- The platform has **70.000+** registered vehicles until now.



- Reduce time spent on finding parking lots by **30%**.

Can exchange directly with the parking place.



Booking and paying online.



Parking space renters can search for the desired parking.



➔ View More

Best Live Streaming Software App for Professional Streaming

A new generation livestream platform in Japan.

Service

Mobile App Development

Domain

Social Network

Platform

Web & Mobile
(Android / iOS)

Technology Stacks & Dependencies



Type

Native App

Keywords

Livestream Apps

App Features

- Users can interact and communicate with streamers through voice chat and comment functions.
- Streamers can make money legally through the reward system.
- The app provides streamers with unique filters and stickers.

Business Challenges

- Since there were no other similar systems to learn from, it took much work for our designers regarding UI/UX and gameplay design.
- Our design team had to connect with famous streamers in Japan to ask for their opinions.

Technical Challenges

- Our development team had to develop a unique library to optimize the system performance so the stickers and filters feature doesn't take up a lot of system resources and cause overheating for the device.



Solutions

- Programming Language:

Swift Kotlin Python

- Framework:

NestJs ReactiveX Realm.io

Android Studio Profiler

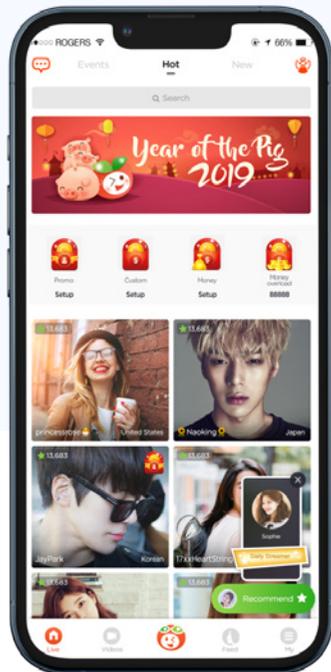
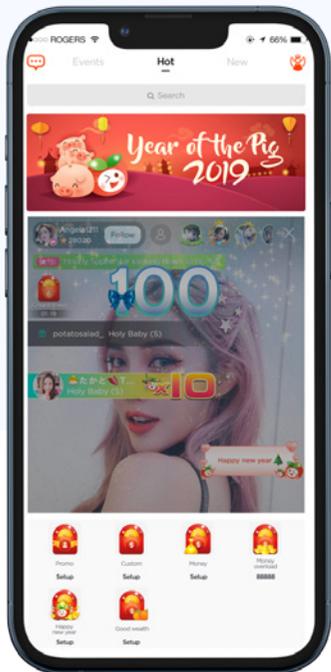
Xcode Instrument

Newwave Solutions' Roles

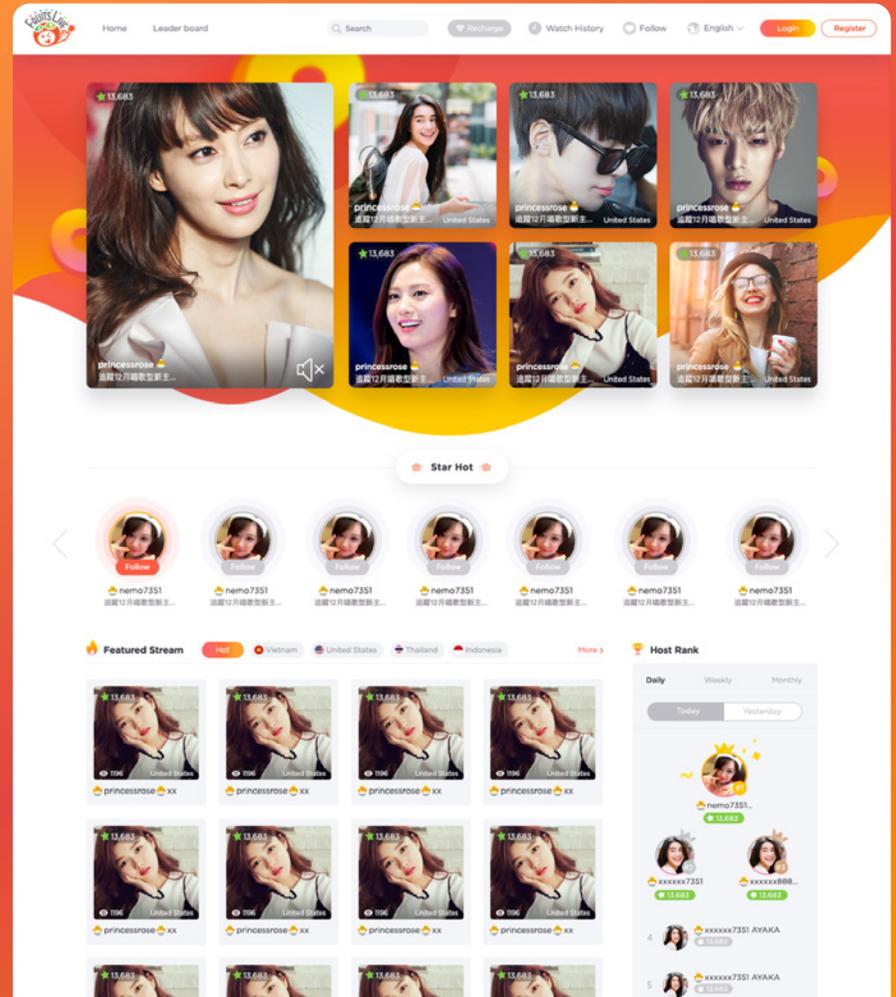
- Analyzing
- Management
- Development

The Result

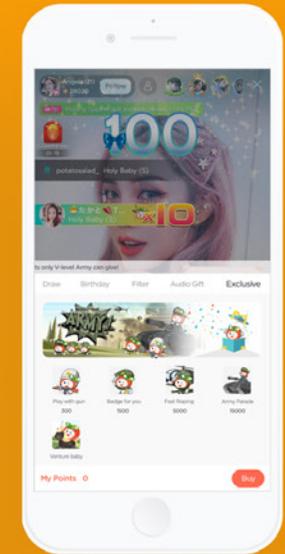
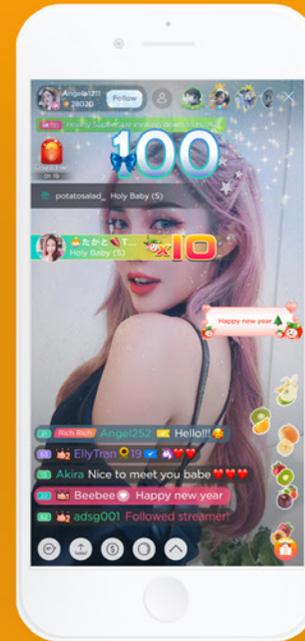
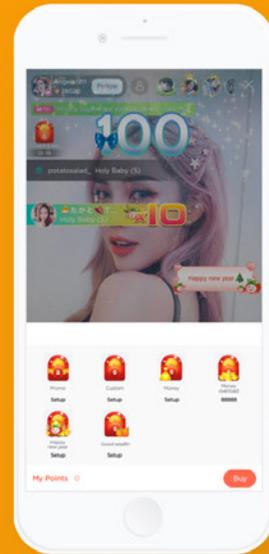
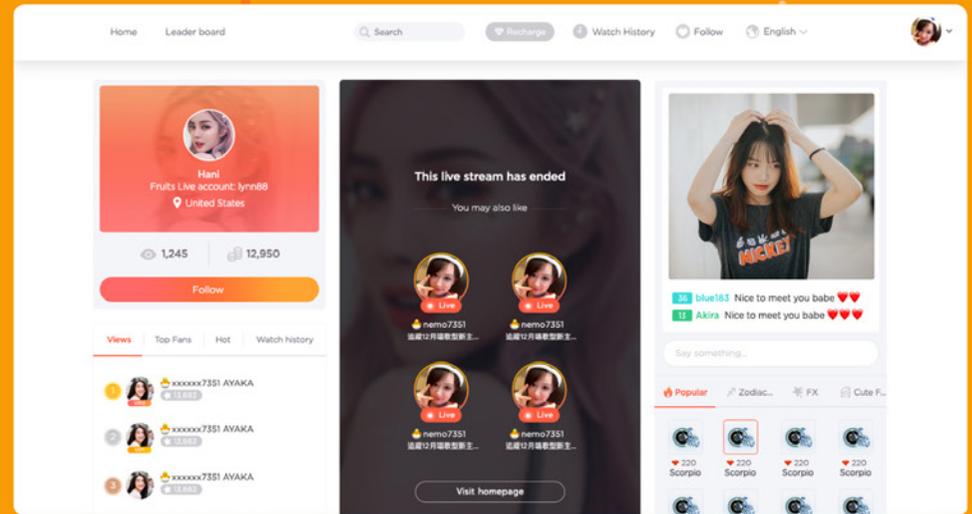
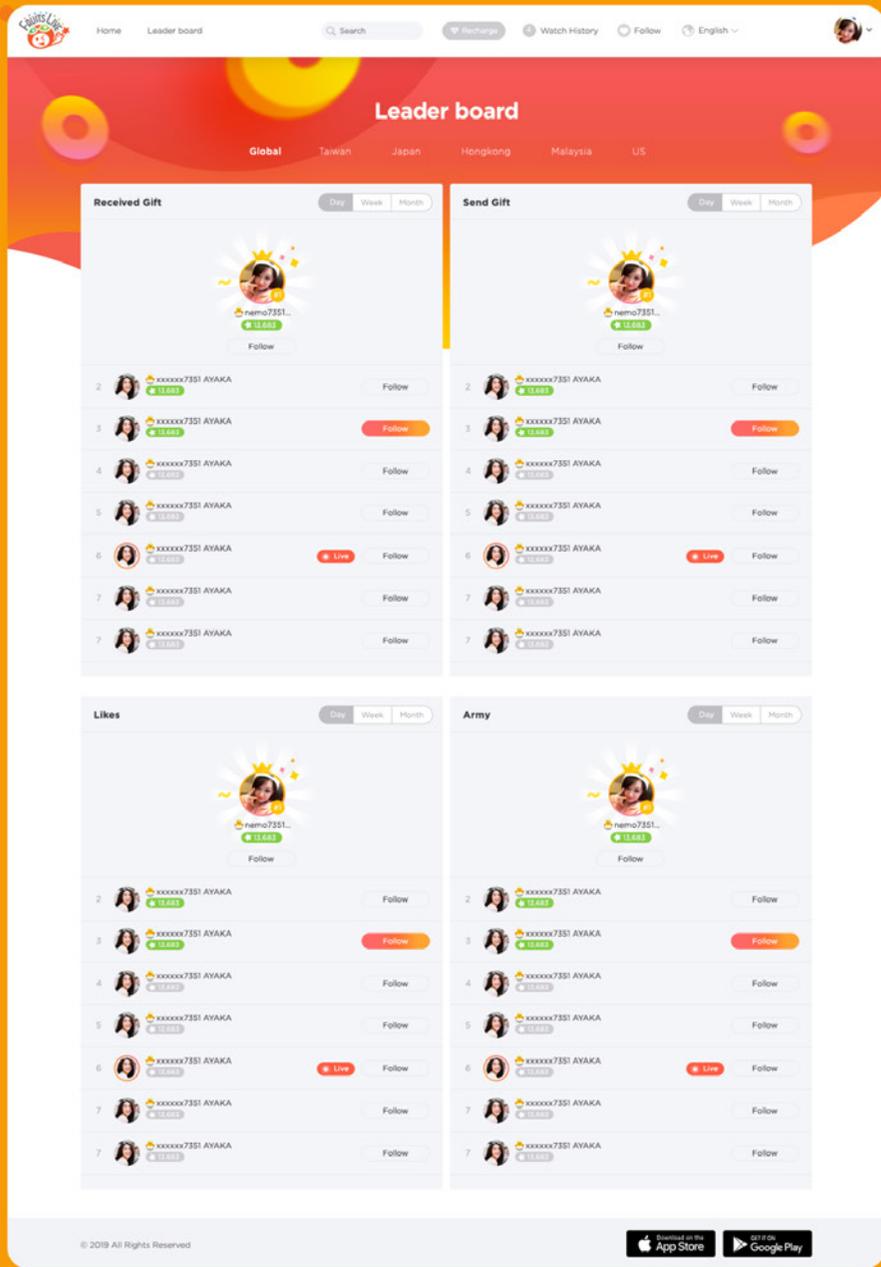
- Interaction functions not only increase user engagement and the number of new users but also boosts the app's retention rate.
- More than **4.000 registered users** already have had **over 1.000 interactions** and around 1.5000 meetings.



The app provides streamers with unique filters and stickers.



➔ View More



Ultimate Playground for Basketball Fans to Hang Out

Created a system that's strong enough to manage a large amount of data in a short period of time (at least 2000 daily active users over a total of 10000).

Optimize the app Data Synchronization to handle massive connections to create the most user-friendly experience.

Service

Mobile App Development

Domain

Social Network

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

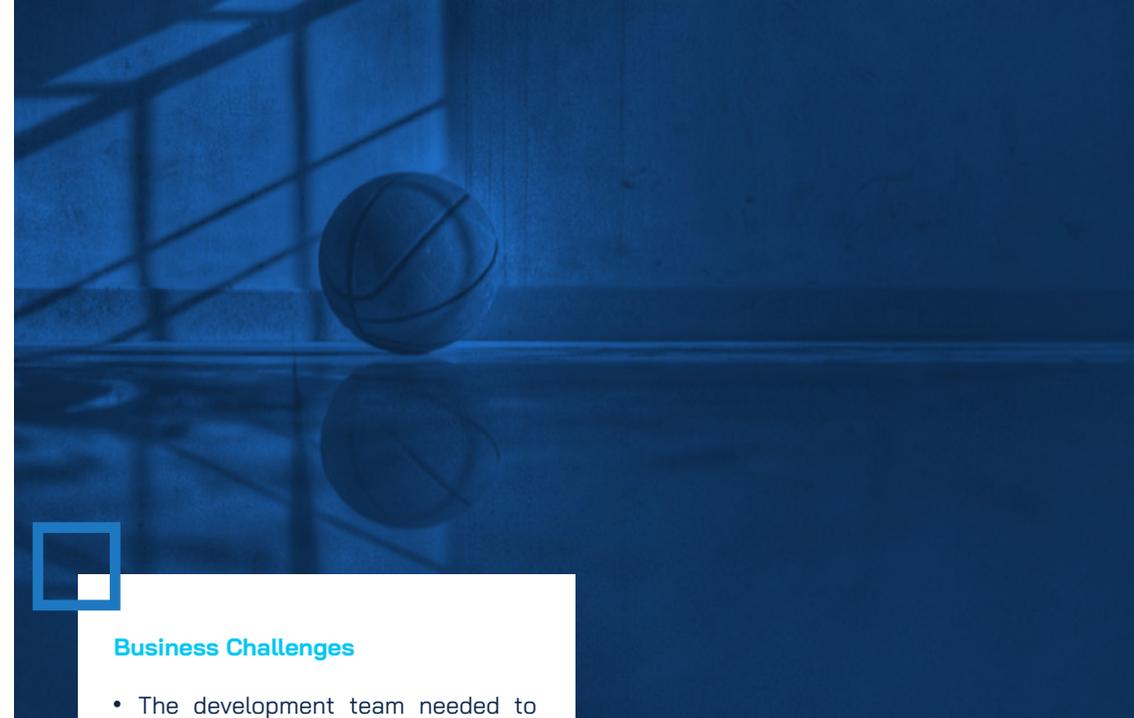
Cross Platform

Keywords

Basketball Fan App

App Features

- Provides their users with many features exceptionally suitable for basketball teams' activities.
- Helps teams connect with each other easily as a social networking platform.



Business Challenges

- The development team needed to provide the infrastructure that can respond fast enough to meet the increasing connectivity among users.
- The project requires various research and multiple methods had been tested to find the best solution.

Technical Challenges

- Created a system that's strong enough to manage a large amount of data in a short period of time (at least 2000 daily active users over a total of 10000).
- Optimize the app Data Synchronization to handle massive connections to create the most user-friendly experience.





Solutions

- Programming Language:

Javascript Typescript Swift

Objective-C Kotlin Java

- Framework:

NestJS React-native GraphQL

Ignite

ここでは「日時」「地域」「イベントタグ」などの条件から、あなたに合ったバスケットボールイベントを探ることができます。それをヒントにチーム動画などもみながらイベントに応募してみてください。

Newwave Solutions' Roles

- Analyzing
- Management
- Development

Results & Benefits

- The initial version was released to production within **8 months** from the project's start.
- The existing user base was migrated to the new platform stage by stage in a few months **without any glitches**.



Search by address.

場所を探す

この機能は地図で施設を検索して、そこからイベントを作成する機能です。いつも使っている施設を検索してイベントを作成しましょう。



Creat event.

イベントを作る

イベント作成には「日時」「場所」「募集人数」などを記載して公開することで、応募申請が届きます。応募が来たらぜひ承認して、迎え入れてあげてください！



Search match information from video.

ここでは、あなたに合ったイベントをご紹介します。動画を見るとどんなチームなのかすぐにわかります。参加する前の不安やミスマッチはカンタンに解消されるはず。さっそくイベントに応募してみましょう！

[View More](#)

Your Go-to Destination for Trailer Rental

A platform to connect trailer renters and owners.

Service

Mobile App Development

Domain

Transportation

Platform

Mobile (Android / iOS)

Technology Stacks & Dependencies



Type

Native App

Keywords

Trailer Rental Apps

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 store still applied old methods for maintenance, purchasing, and transfer making it more challenging to develop and utilize all of these features in a modern app.
- Since the majority of users are elders, designing an interface that is clear and easy to use yet still has to display a lot of information was a big challenge to our developers and the designers.

Technical Challenges

- This is a serverless app so everything is located in the mobile source code, therefore, our team needs to figure out a software architectural model that is suitable for the app while also being easy to maintain and test.
- All data must be organized and stored in one place for easy management and access while also maintaining great performance and a reasonable maintenance cost.



Solutions

- Programming Language:

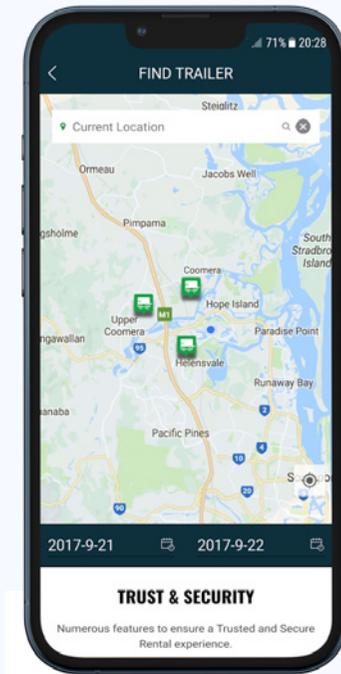
Java Kotlinz

Newwave Solutions' Roles

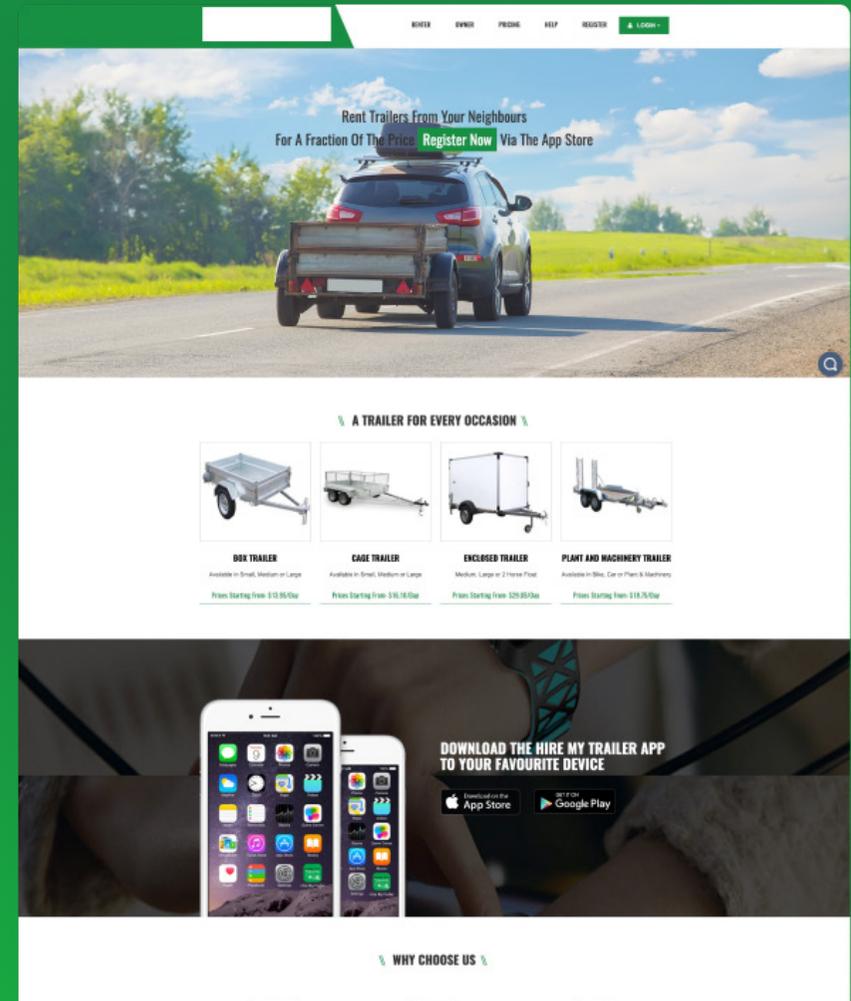
- Development

The Result

- There were **23,300 app downloads** in 2020 during the first week. This number increased **up to 70,000** after 2 years of release.



Enables person-to-person trailer rental by putting unutilized trailers good use.



➔ View More

Make money without leaving the house

- Get Your Trailer on the App
- Receive Rental Requests
- Post your trailer's location & condition
- Get the rental agreement & price
- Get Paid

Simple App Process

All managed from your device. No Cash Exchange. Electronic Rental Agreement. Money is paid directly into your nominated account via our secure payment partner.

Pick-up and Drop-off

All pick-up confirmations details against the electronic Rental Agreement. On your return, rate the renter and provide feedback. Your input helps us make every hire a 5 Star Experience.

How much could you earn renting out your Trailer?

Select Size: Small (4ft), Medium (7ft), Large (10ft), Full Size (12ft)

Duration: 1 Week, 2 Weeks, 4 Weeks, 8 Weeks, 12 Weeks

Your Minimum Earning Potential: **\$35**

Register Now VISIT YOUR APP STORE NOW AND DOWNLOAD THE HIRE MY TRAILER APP

Owner Info

Make money without leaving the house

- Get Your Trailer on the App
- Receive Rental Requests
- Post your trailer's location & condition
- Get the rental agreement & price
- Get Paid

Simple App Process

All managed from your device. No Cash Exchange. Electronic Rental Agreement. Money is paid directly into your nominated account via our secure payment partner.

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Select Size: Small (4ft), Medium (7ft), Large (10ft), Full Size (12ft)

Duration: 1 Week, 2 Weeks, 4 Weeks, 8 Weeks, 12 Weeks

Your Minimum Earning Potential: **\$35**

Register Now VISIT YOUR APP STORE NOW AND DOWNLOAD THE HIRE MY TRAILER APP

Trailer Search

Select Trailer Type: Small, Medium, Large, Full Size

Select Size: Small, Medium, Large, Full Size

Duration: 1 Week, 2 Weeks, 4 Weeks, 8 Weeks, 12 Weeks

Your Daily Rate: **\$35**

Having trouble? We're here to help

- Need to Hire a Trailer? Get the app
- Need to Hire a Trailer? Get the app
- Need to Hire a Trailer? Get the app
- Need to Hire a Trailer? Get the app
- Need to Hire a Trailer? Get the app
- Need to Hire a Trailer? Get the app

Make money without leaving the house

- Get Your Trailer on the App
- Receive Rental Requests
- Post your trailer's location & condition
- Get the rental agreement & price
- Get Paid

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Duration: 1 Week, 2 Weeks, 4 Weeks, 8 Weeks, 12 Weeks

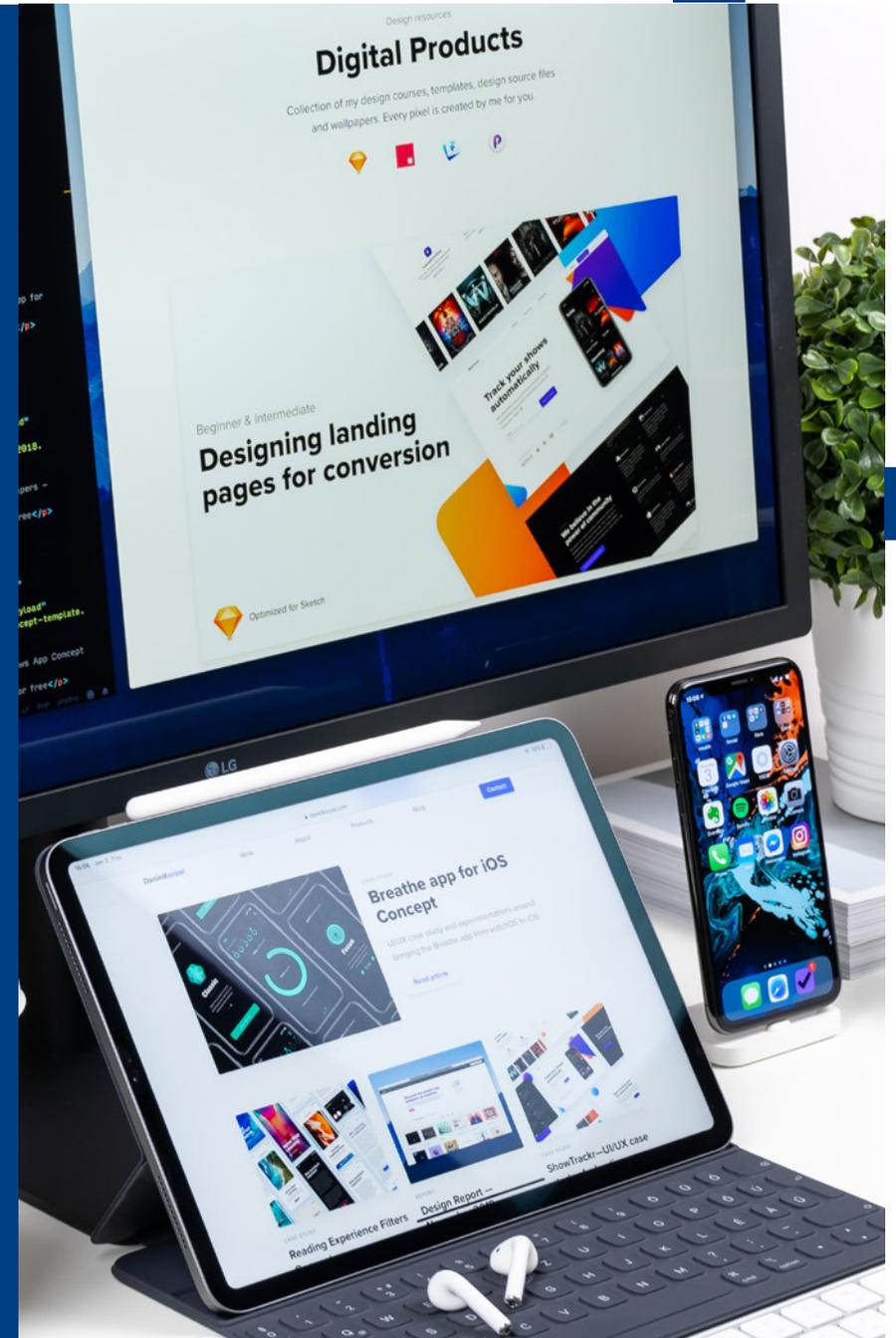
Your Minimum Earning Potential: **\$35**

Register Now VISIT YOUR APP STORE NOW AND DOWNLOAD THE HIRE MY TRAILER APP



03

Software Development



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.



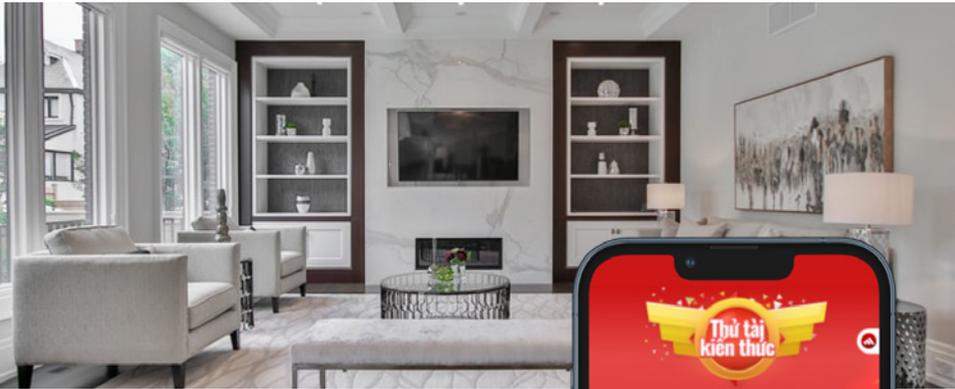
Business Challenges

- 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

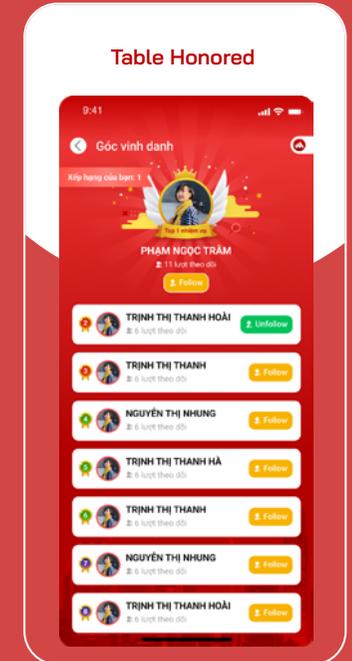
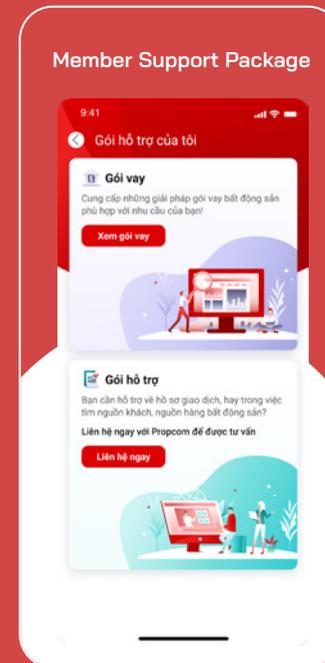
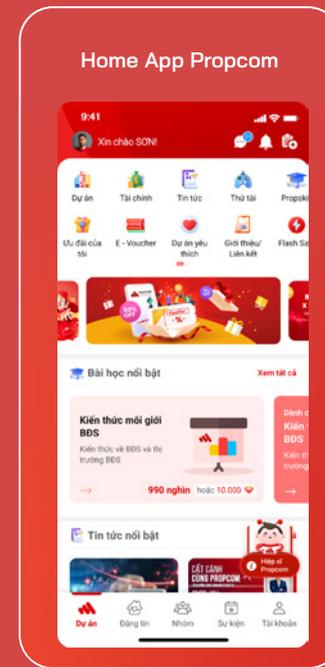


Newwave Solutions' Roles

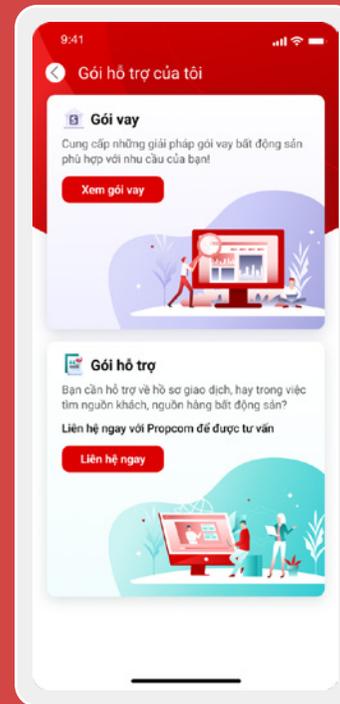
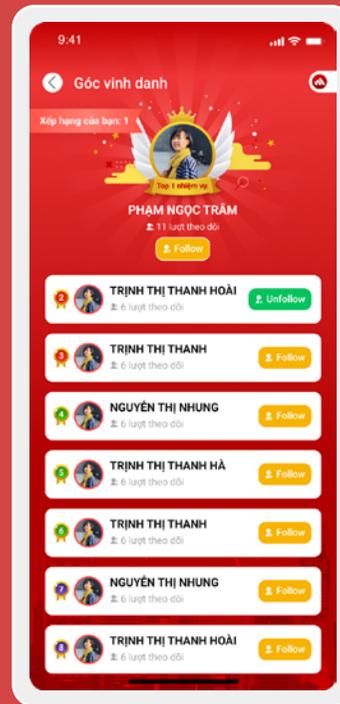
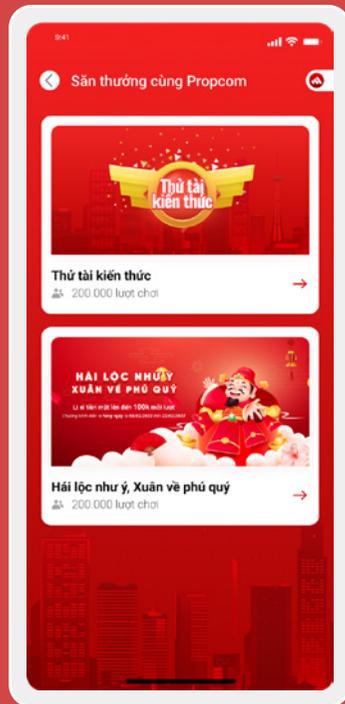
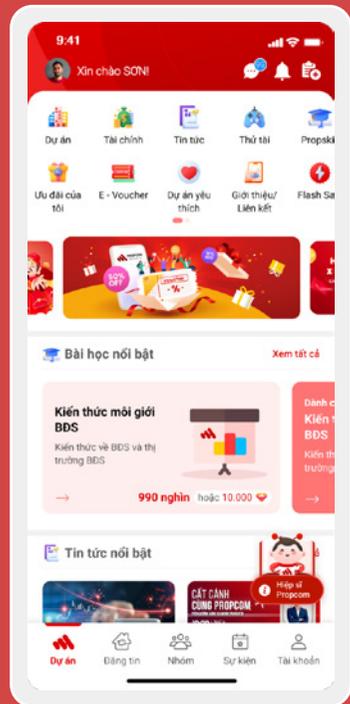
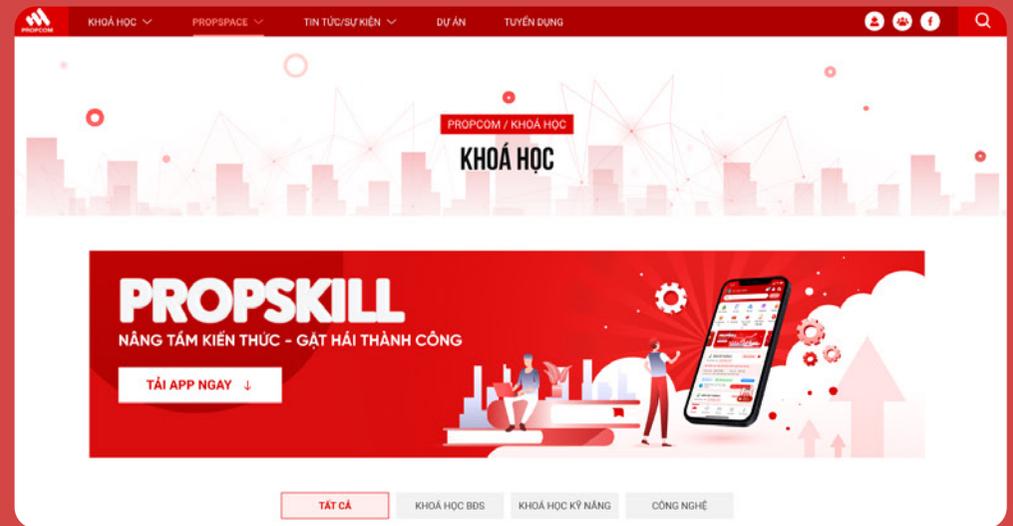
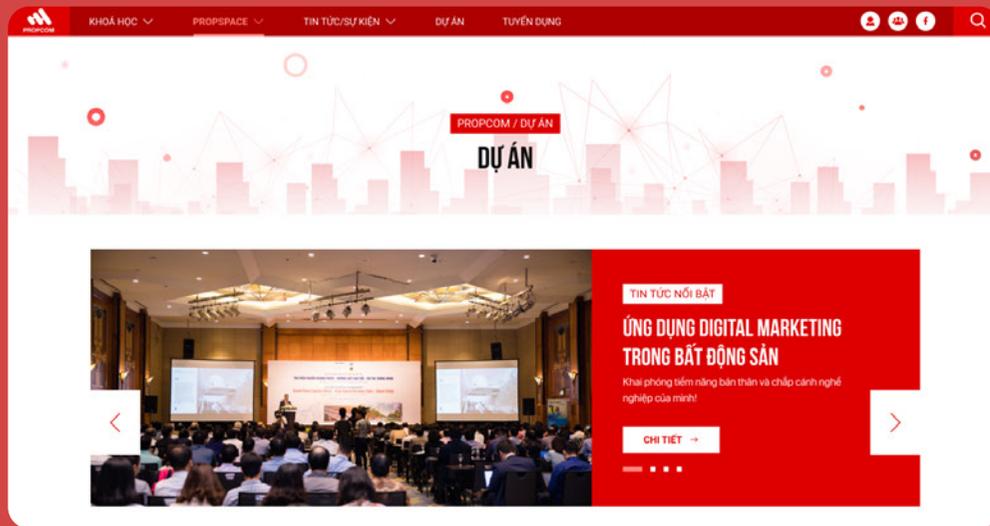
- Analyzing
- Management
- Development

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.



[View More](#)



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:

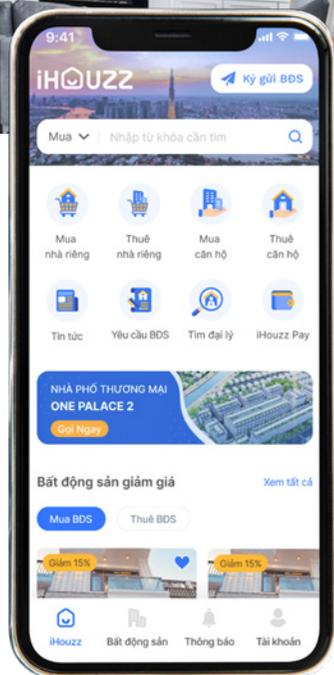
Angular Flutter VueJS NestJS

Newwave Solutions' Roles

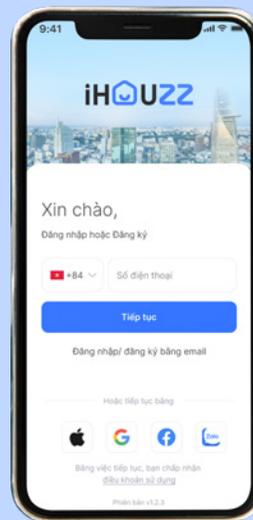
- Development

The Results

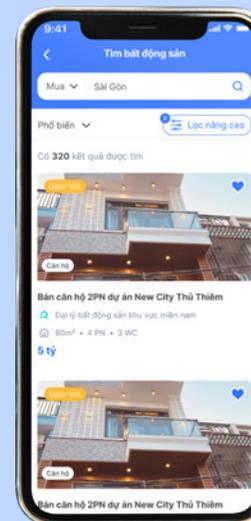
- The website and app was successfully transformed to be optimized for mobile, with an improved user experience, and greater security for all users in 2019.
- When our client uses the product, they were able to generate more than **17.000 leads** in the platform lead generation campaign.



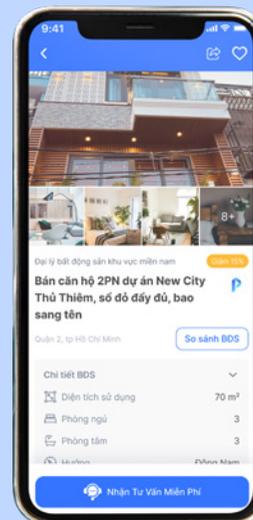
Easy login with many options.



Detailed search of real estate.



Detailed information about the property of your choice.



➔ View More

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



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.



➔ View More

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

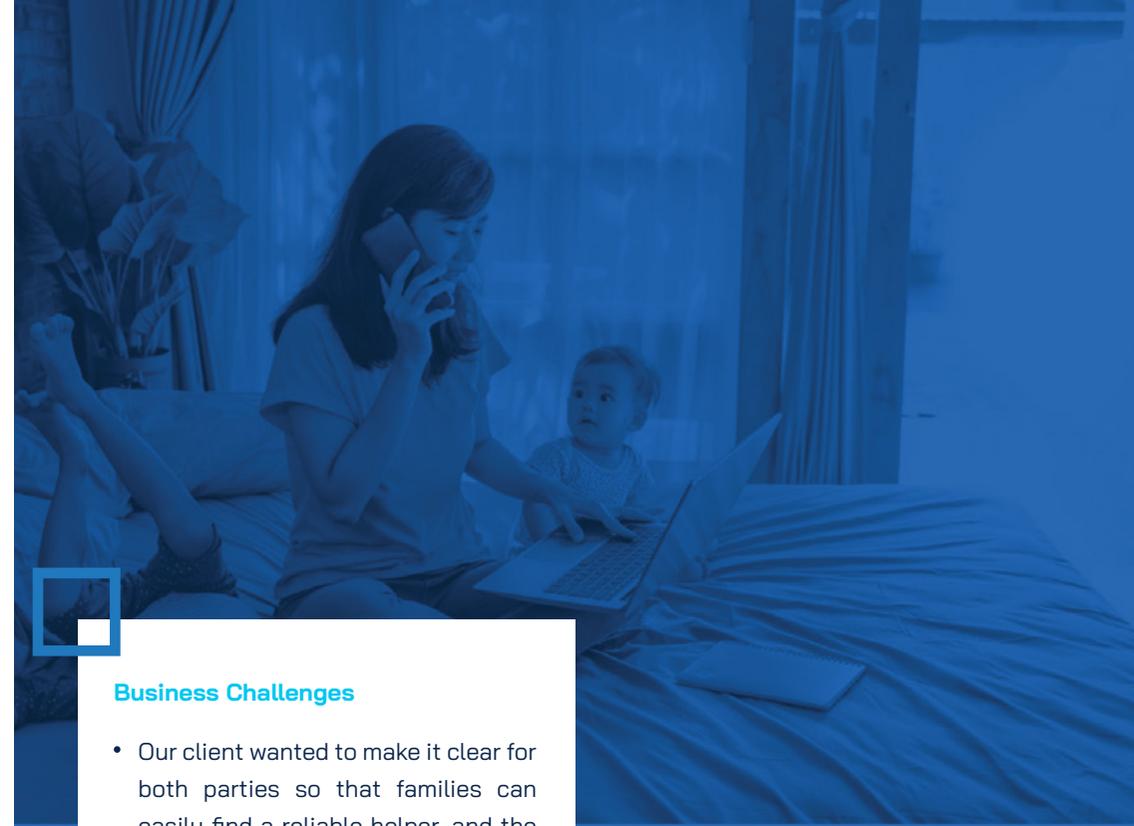
Cross Platform

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.



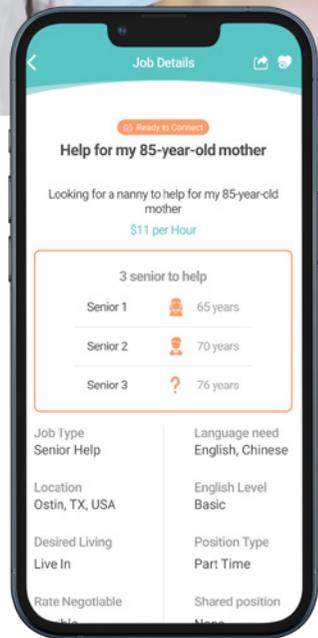
Business Challenges

- 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:

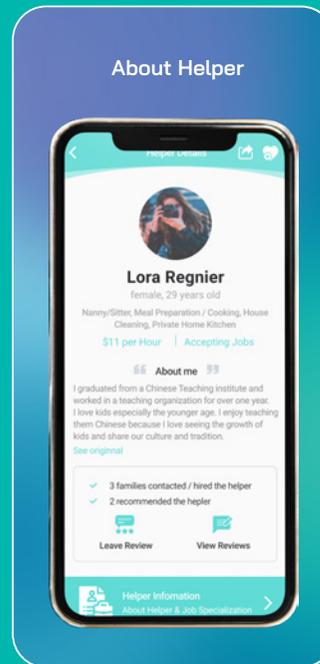
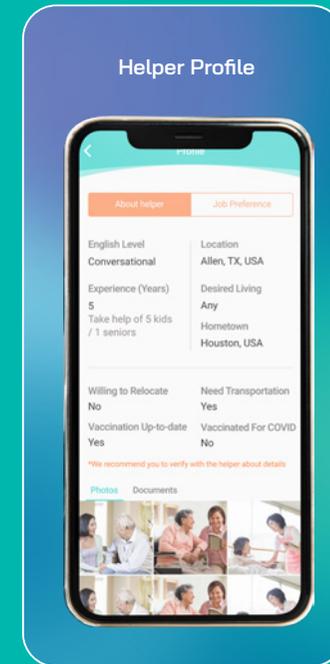
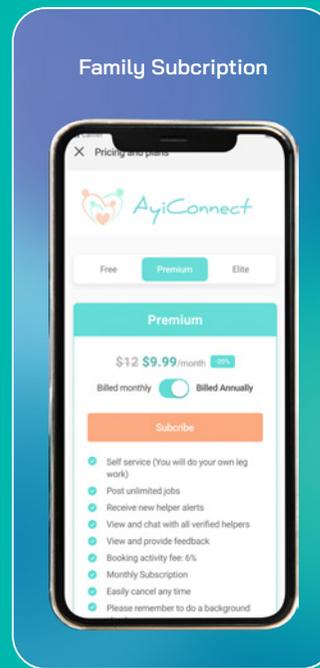
Flutter Laravel

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.



➔ View More

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

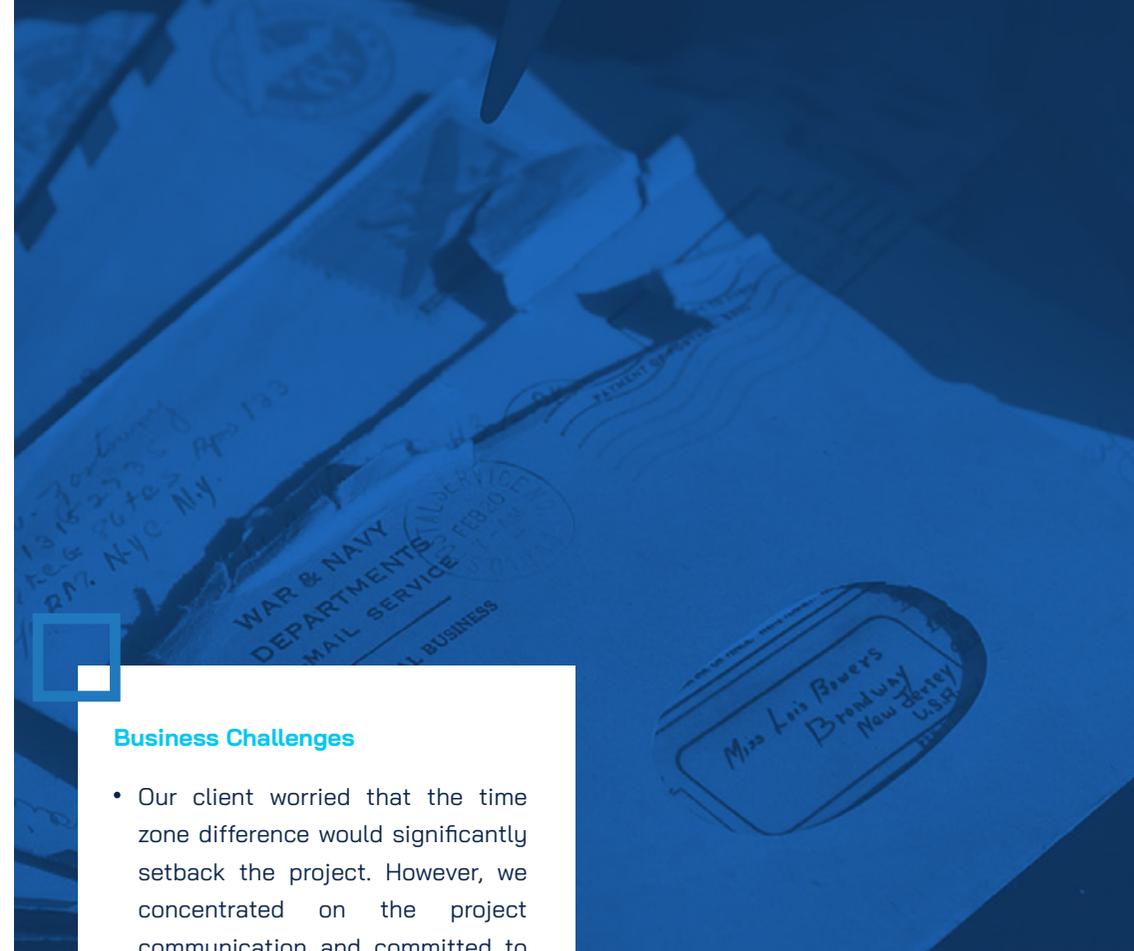
Cross Platform

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:

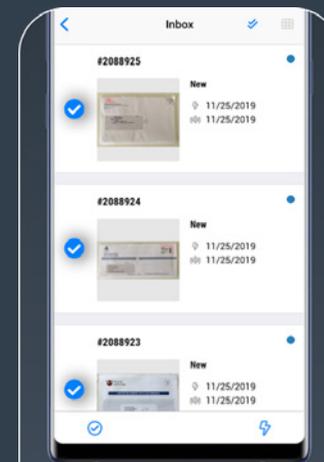
.Net

Newwave Solutions' Roles

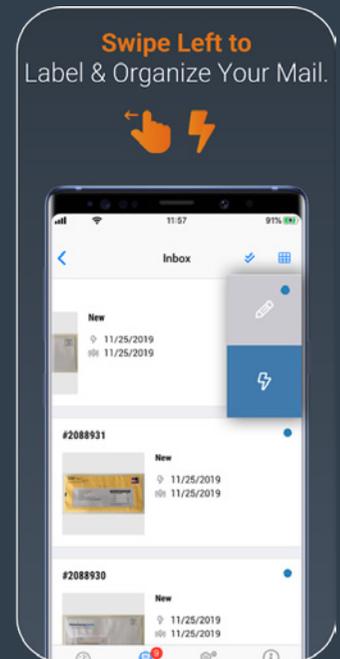
- Development

The Results

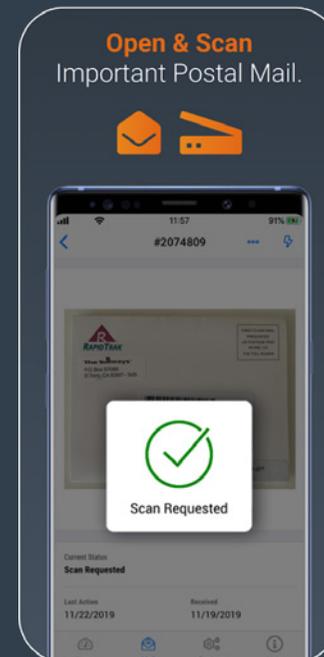
- Our client has received over **50 new customers** per day, bringing in over **\$600 of revenue** each month.
- Offering virtual mailboxes innovative provides new recurring revenue while efficiently using time and existing resources.



Take Action On
Multiple Items at Once.



Swipe Left to
Label & Organize Your Mail.



Open & Scan
Important Postal Mail.

➔ View More

Internal Web to Get Updated with The Latest Events

A homepage for a Singapore based start-up co-working space and community.

Service

Web Development

Domain

Utilities

Platform

Web

Technology Stacks & Dependencies



Type

Web System

Keywords

Event Websites

App Features

- Users can browse, create and promote local events which take places in the working space.
- Users can buy tickets to events and subscribe to membership.
- The company can manage working spaces, events and ticketing.



Business Challenges

- Managing a shared space is full of challenges, so our client wanted to utilize a few tools that fit their need for managing a flexible shared space.
- Newwave Solutions team dug deep to understand our client's requirements and put forward a solution that includes all of our client's demands.

Technical Challenges

- We utilized various third-party APIs (Event Brite, Klavio, Stripe, and Xero) to meet our client's expectations and ensure the deliver time.



Solutions

- Programming Language:

JavaScript

- Framework:

ReactJS

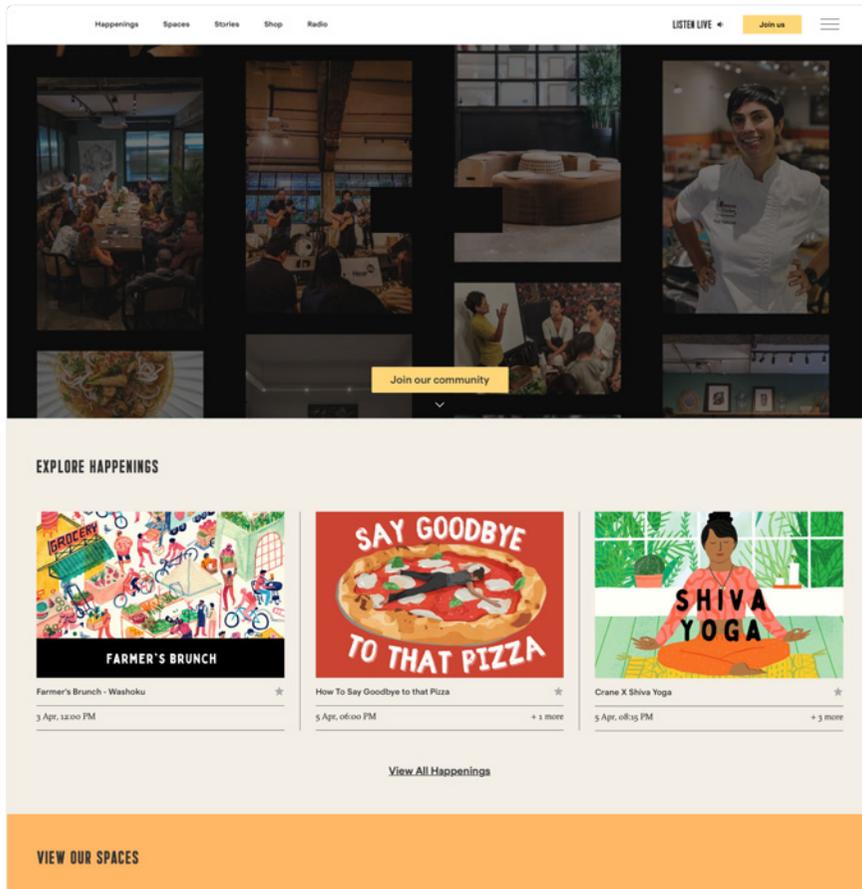
NextJS

Newwave Solutions' Roles

- Analyzing
- Management
- Development

The Result

- Helping our client save **30% of time** in inputting information into their system.
- There are more than **1.000 orders every week**.



The company can manage working spaces, events and tickets.



Work From Home

Who needs an office? Productivity and comfort come together to get the job done.

Kick Back

Cash coffee after yoga or a match, after your jog. Meet up with friends or chill out with a good book.

Engage & Connect

Life experiences is made for sharing. Learn from others as they learn from you. Crane is here to make it happen.

EXPLORE MEMBERSHIP PLANS

BEAUTIFY: CRANE LIVING



Bay Collection

From Baygl



Sage Collection

From Baygl



Bora Bora Collection

From Baygl

[See All Products](#)

LISTEN & LEARN: CRANE RADIO



WELLBEING

Season 1 Ep 4 - 21st Century Shaman With "Chararuna," Shamanic Bridge Person, Jorge Luis Delgado

On today's episode I am joined by Jorge Luis Delgado. Born in the highlands near Lake Titicaca, Don Jorge is of Aymara Inca heritage. His mother is from a family of healers and his father was a teacher. He was...



CULTURE

Season 1 Ep 9 - 21st Century Shaman with Shamanic Healer, Meditation Teacher and Spiritual Mentor, Louise Olinore

Notwithstanding her early work as a journalist, after an intense period of crises, tragedies and shocks, Louise discovered meditation and threw herself into documenting all she could about it. This led her to eventually...



WORK

Season 1 - Ep 3 - Live at 40 with Rogo Kishi Tony Leong

Your career defines your identity, value and self-worth. But it does not define you as a person. Your purpose defines you as a person. It is perfectly possible and normal to be happy and fulfilled, having a non-linear career. The important thing is to understand...

[View More](#)

Streamline Your Company's Internal Communication

A web-based app for internal communication in a company.

Service

Web Development

Domain

Utilities

Platform

Web

Technology Stacks & Dependencies



Type

Web System

Keywords

Corporate Websites

App Features

- Users can join different channels and communicate with each other.
- Users can organize schedules for themselves or for the team.



Business Challenges

- Our team had to deliver the project on a tight deadline. So, we create a system to track the process and frequently communicated with the client to prevent missing any detail.

Technical Challenges

- Our development team applied Firebase to ensure the project run effectively and cost-efficiently.
- We optimized the infrastructure by adopting more advanced tools to maintain the system performance when dealing with a large number of users.



Solutions

- Programming Language:

PHP Javascrypt MySQL

- Framework:

Laravel Vue2

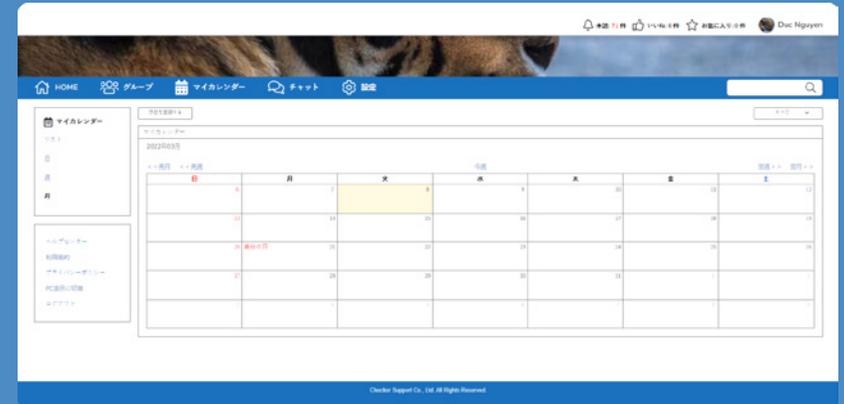
Newwave Solutions' Roles

- Analyzing
- Management
- Development

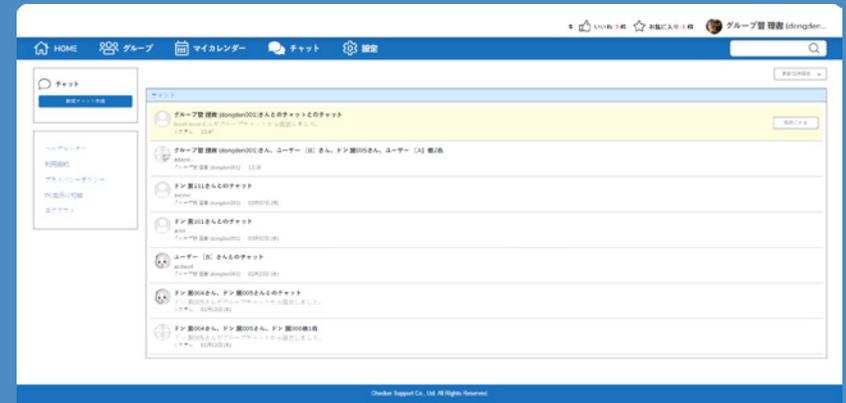
The Result

- Our clients left positive feedback about its quality and schedule.
- Tasks are created and approved via intenal app. As a result, the product helps our client optimize management process, reduce their time and energy by **45%** to manage their tasks.

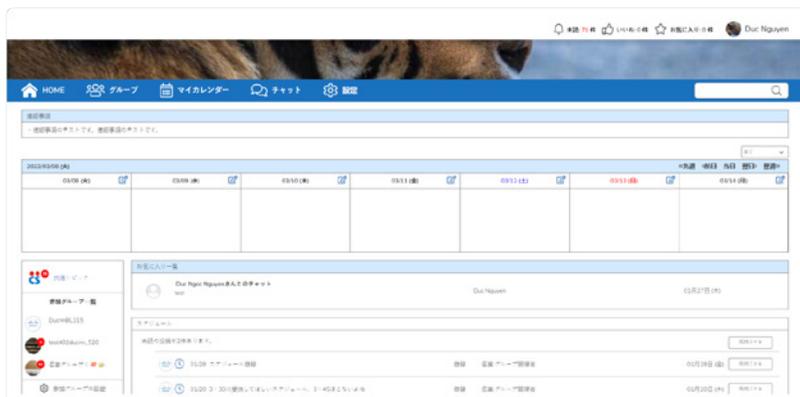
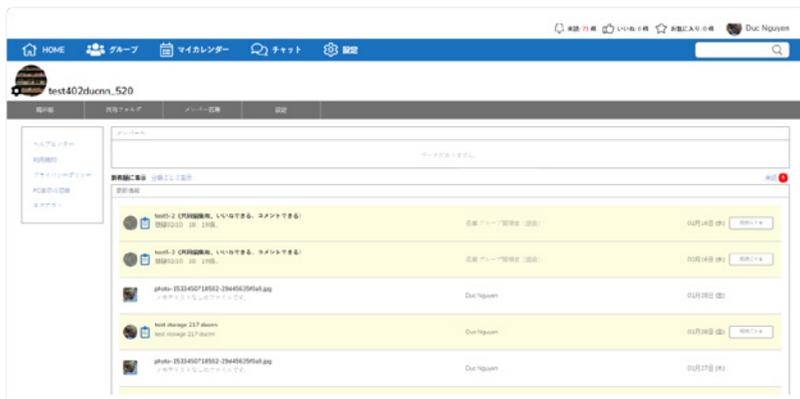
Users can organize schedules for themselves or for the team.



Users can join different channels and communicate with each other.



➔ View More



E-Commerce Website Optimized for Customer Conversion

A web-based e-commerce app of a Japanese upmarket grocery store chain.

Service

Web Development

Domain

Ecommerce

Platform

Web

Technology Stacks & Dependencies



Type

Web System

Keywords

Ecommerce Websites

App Features

- Users can choose stores and buy products from them online.
- Users can make payment through Paygent
- The company can manage stores, products, orders and users.



Business Challenges

- The project aimed to aggregate and scrape data from different trade points in a management system and further convert them into one e-commerce app, where users can search for the needed product.
- Newwave Solutions was responsible for setting up, developing, and maintaining all product data and providing it to clients in the most effective way.

Technical Challenges

- We had to utilize Paygent, a payment gateway in Japan, which is very difficult to use and has no introduction document.
- We designed a Master Database - Client Database that not only matches the system requirements but also synchronizes with other sub-databases.
- The configuration for synchronization between databases was very complicated, requiring many testing and high accuracy.



Solutions

- Programming Language:

PHP Javascript MySQL

- Framework:

Laravel Vue2

The Result

- **Human error** on store management has been **reduced by 26%** during the gathering and comparing of the data. This equates to an average daily saving of one hour of staff time.

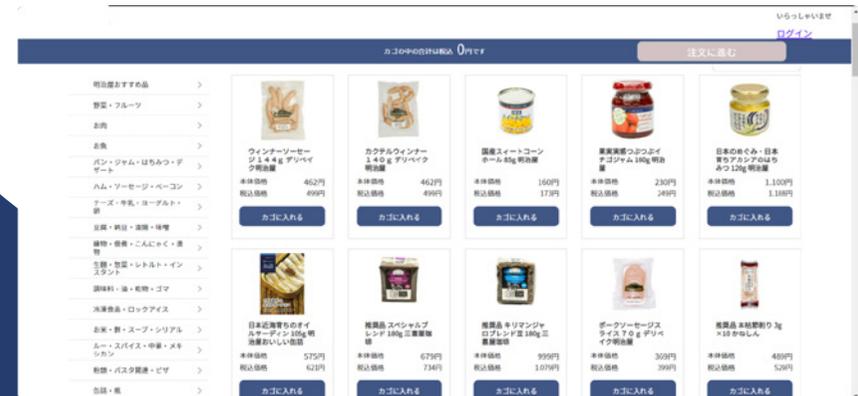
Newwave Solutions' Roles

- Analyzing
- Management
- Development

The company can manage stores, products, orders and users.



Users can choose stores and buy products from them online.



➔ View More



Highly Secure CMS Website Utilized Payment Services

CMS website is used to manage the merchant list, and provide a payment module to integrate into the merchant's website registered in the system.

Service

Web Development

Domain

Ecommerce

Platform

Web

Technology Stacks & Dependencies



Type

Ecommerce

Keywords

Payment Websites, CMS Websites

App Features

Admin CMS:

- Manage merchant information.
- Manage customer information.
- Manage payment information.

Merchant CMS:

- Manage customer information.
- Manage merchant information.
- Manage booking information.

Business Challenges

- Despite having a robust analytical system, the customers believed that it would not be able to satisfy their company's future needs. So, we had to improve the system so it can cope with the continuously growing amount of data, analyze big data faster, and enable comprehensive advertising channel analysis.

Technical Challenges

- Developing two-factor authentication while also ensuring that payment data is encrypted when transmitted between terminals, servers, or devices.
- Utilizing scalable cloud infrastructure, technological modules, and microservices.





Solutions

- Programming Language:

PHP

- Framework:

Larvel

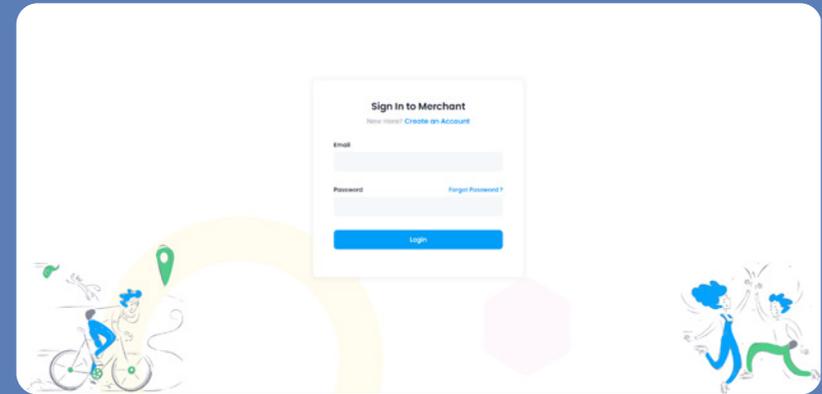
Newwave Solutions' Roles

- System Design
- Management
- Development

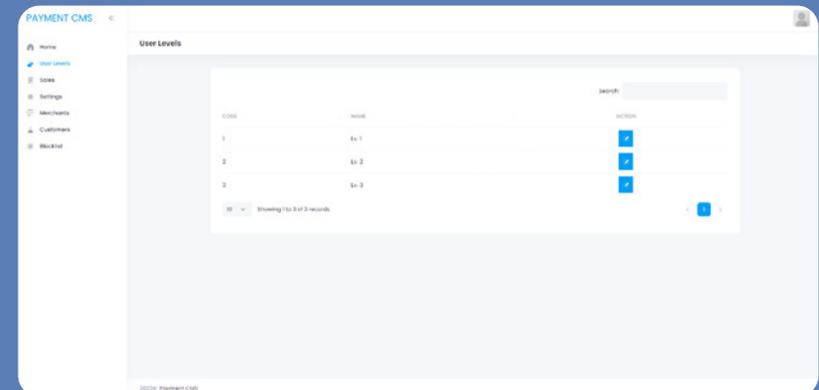
The Result

- Our clients left a lot of positive feedback about the website's quality and schedule.
- The app drew positive feedback from its end users thanks to its ease of use.
- The pay gateway delivers frictionless checkout on the website.
- **3.000 users** access the website per day.

Login Admin CMS



Manage payment information.



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ERP Business Application Integration

An ERP system of a turtle & tortoise museum in Singapore which includes a WordPress site, a gamification app and an ERP management site.

Service

Web-app Development

Domain

Travel

Platform

Web

Technology Stacks & Dependencies



Type

Web System

Keywords

ERP Websites

App Features

- A system that includes an E-Commerce site, a gamification app and an ERP system, which are beautifully designed and easy to use.



Business Challenges

- We were aiming for developing a visually appealing and easy-to-use system, yet our client's system was quite complex with a lot of data.
- Our team had to spend a few days analyzing the system to come up with an effective solution, which really impressed our client.

Technical Challenges

- The project is an open-source ERP (Enterprise resource planning) solution that is extremely complicated and hard to understand.
- Filling the canvas with color in JavaScript is a difficult technique but we managed to get it done on time thanks to our experienced developer team.





Solutions

- Programming Language:

Java WordPress HTML

CSS JS

- Framework:

Spring Framework VueJS

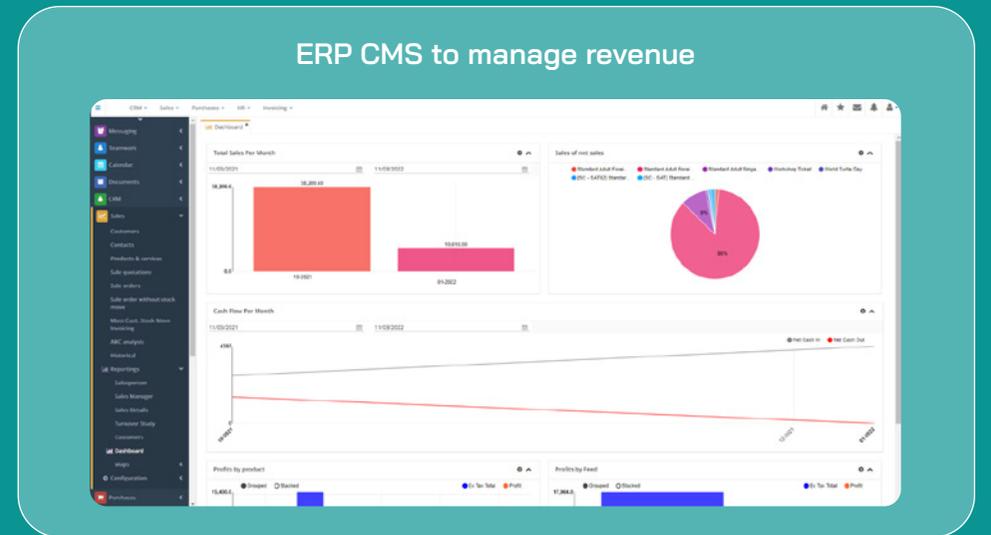
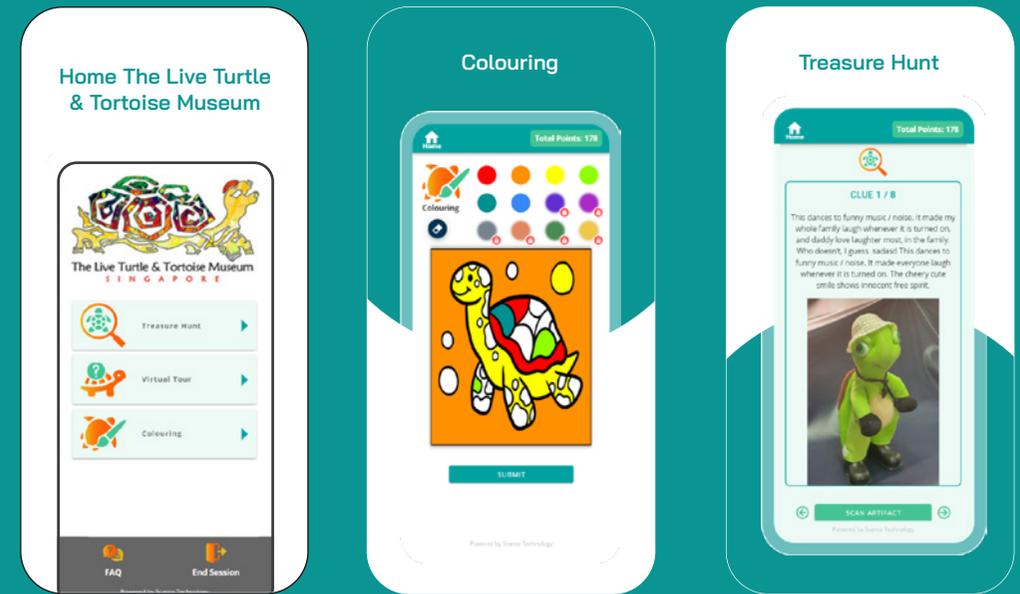
Axelor Open Source

The Result

- Newwave Solutions achieved remarkable results in this ERP project, optimizing the performance of ERP components and reducing system support costs.
- Increased Java code flexibility allowed for software functionality enhancement and assured smooth workflow.
- This system always maintains its performance of **100% uptime**. With a smooth web experience, our client can retain and attract their audience. Therefore, their website's session duration improves remarkably, increasing SEO rank.

Newwave Solutions' Roles

- Analyzing
- Management
- Development



[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 2021.

CEO

Mr. To Quang Duy

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