CodeMatter

by semesta akademi

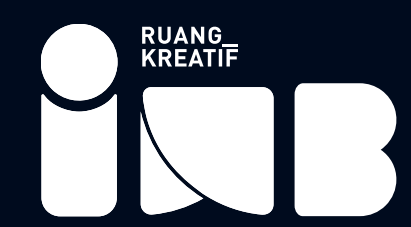**CodeMatter**

we are architects of digital excellence.

At Codematter, we empower your businesses to thrive in the the ever-changing demand of today's world. We will be your reliable partner to navigate the complexity of digital transformation and solve your unique business use-cases with an unwavering commitment to precision and efficiency.

What we do

Partners and Clients

FUTURE CREATIVE NETWORK

samara

krastala

indosat
OOREDOO HUTCHISON

STUDIA ACADEMY

ycab
FOUNDATION

Roche

SHAFIQ
sharia finance & investment of securities

AGLC Artotel Group
Learning Center

TIPTAPTOE

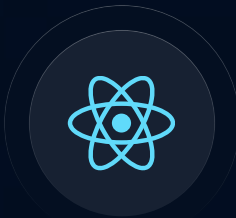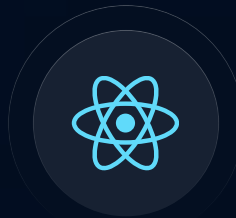HATCHING ACADEMY

RUANG KREATIF

Services

Web Application Development

Revolutionize your corporate operations with tailored and comprehensive solutions. Craft your very own custom ERP systems designed to solve your unique business use-cases.

Mobile Software Development

Engage your users with polished mobile applications. Experience cross-platform excellence, user-friendly interfaces, and broader reach optimized for various devices.

Design & No-Code Development

Launch and iterate your website with the speed of lightning through no-code development. Maintain consistency and deliver high impact while keeping the cost low.

IT Consultancy And Solutions

Navigate the IT landscape confidently with our corporate consultancy. Optimize IT infrastructure for increased efficiency, cost reduction, and informed decision-making aligned with corporate objectives.
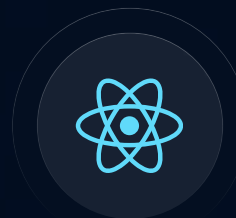
IT Audit

Safeguard corporate digital assets with our meticulous IT audit. Experience enhanced security, compliance confidence, and proactive risk mitigation for a resilient corporate environment.

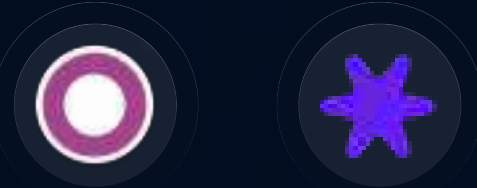## Company Digital Transformation

Transform and adapt your business into the future digitally. Experience increased efficiency, customer-centric solutions, and a future-ready corporate entity positioned for long-term success.

LMS

Designed for institutions and organizations of all sizes, it provides collaborative tools and features that enhance the learning experience, making it an ideal choice for modernizing and streamlining educational environments in any organization.

Proficiencies

Software Implementation

Scaling you business by implementing proven software and solutions. We are partnering with Odoo and Mekari to solve your problems and manage your company resources better.

Programming Language

Command a diverse range of programming languages, ensuring the efficient realization of your digital vision with a focus on excellence.

Infrastructure

Establish and maintain robust IT infrastructure, elevating corporate operations through a commitment to performance, reliability, and security.

No-Code Development

Embrace rapid development with cutting-edge no-code tools, enabling swift solution deployment and maintaining a competitive edge.
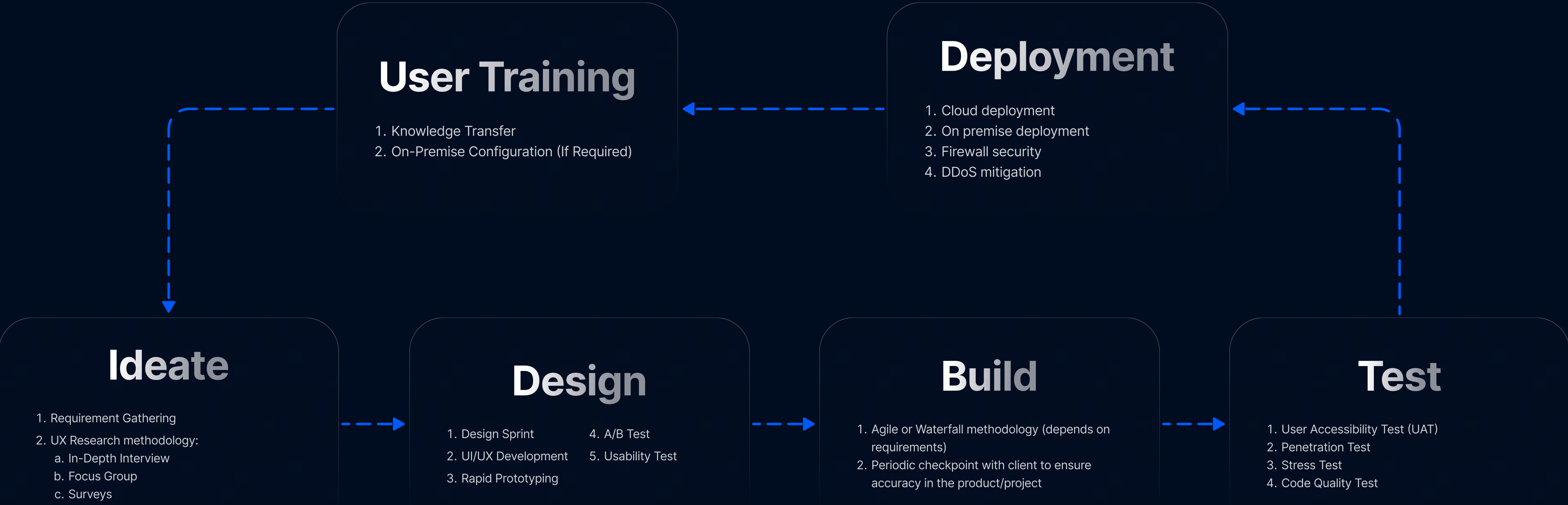
Software Project Management

Exemplify corporate excellence in project management, ensuring meticulous oversight from initiation to completion.

CodeMatter

Workflow

Providing End-to-End Development Services to Unleash the Innovation of Your Company

User Training

1. Knowledge Transfer
2. On-Premise Configuration (If Required)

Deployment

1. Cloud deployment
2. On premise deployment
3. Firewall security
4. DDoS mitigation

Ideate

1. Requirement Gathering
2. UX Research methodology:
   a. In-Depth Interview
   b. Focus Group
   c. Surveys

Design

1. Design Sprint
2. UI/UX Development
3. Rapid Prototyping
4. A/B Test
5. Usability Test

Build

1. Agile or Waterfall methodology (depends on requirements)
2. Periodic checkpoint with client to ensure accuracy in the product/project

Test

1. User Accessibility Test (UAT)
2. Penetration Test
3. Stress Test
4. Code Quality Test

CodeMatter

Previous Works

Client

Hatching Academy

Year

2025

Project Name

LMS & Website for Hatching Academy

Projet Description

Empower learning with Hatching Academy's cutting-edge Learning Management System (LMS) and website. Designed for both individuals and businesses, our platform delivers high-quality courses, seamless user experiences, and robust tools for skill development. Whether you're an individual looking to upskill or a company seeking tailored training solutions, our edu-tech-driven approach ensures engaging, scalable, and results-driven learning.

Key Features

1. Comprehensive learners analytics
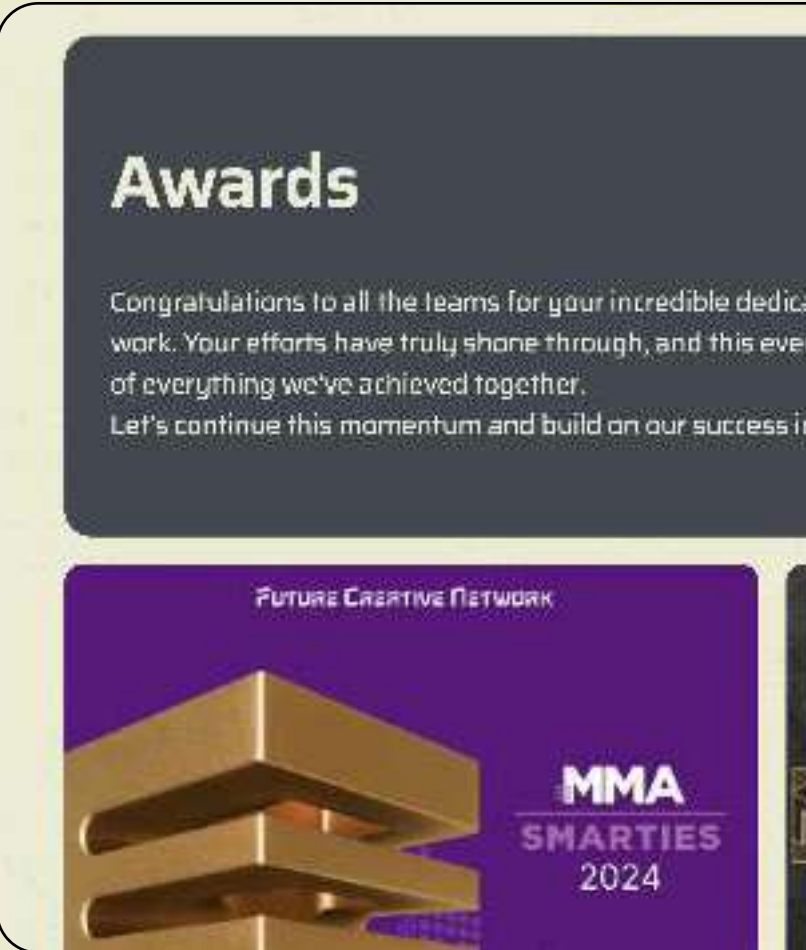2. Various learning activities
3. Website Experience & Interfaces

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

Client

Feature Creative Network

Year

2025

Project Name

LMS & HR Portal for Feature Creative Network

Projet Description

HR Portal. Designed to enhance efficiency, this portal empowers the HR department with seamless employee onboarding, training, performance tracking, and document management—all in one place. With an intuitive interface, employees can access learning modules, company policies, leave requests, and more, while HR professionals can automate tasks, monitor progress, and ensure compliance.

Key Features

1. Comprehensive learners analytics
2. Various learning activities
3. Website Experience & Interfaces

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

Client

TipTapToe

Year

2024

Project Name

Revamp Website for TipTapToe

Projet Description

TipTapToe has transformed, stepping into the vibrant world of hotels and bars! Our newly revamped website brings this experience to life—showcasing stunning interiors, curated menus, and everything our guests need to know before they arrive. From luxurious stays to signature cocktails, explore what makes TipTapToe a must-visit destination. Whether you're booking a room, browsing our menu, or discovering the perfect spot to unwind, it's all just a click away.

Key Features

1. Hotels & Bars Showcasing
2. Interactive Website
3. Website Experience & Interface

Built with

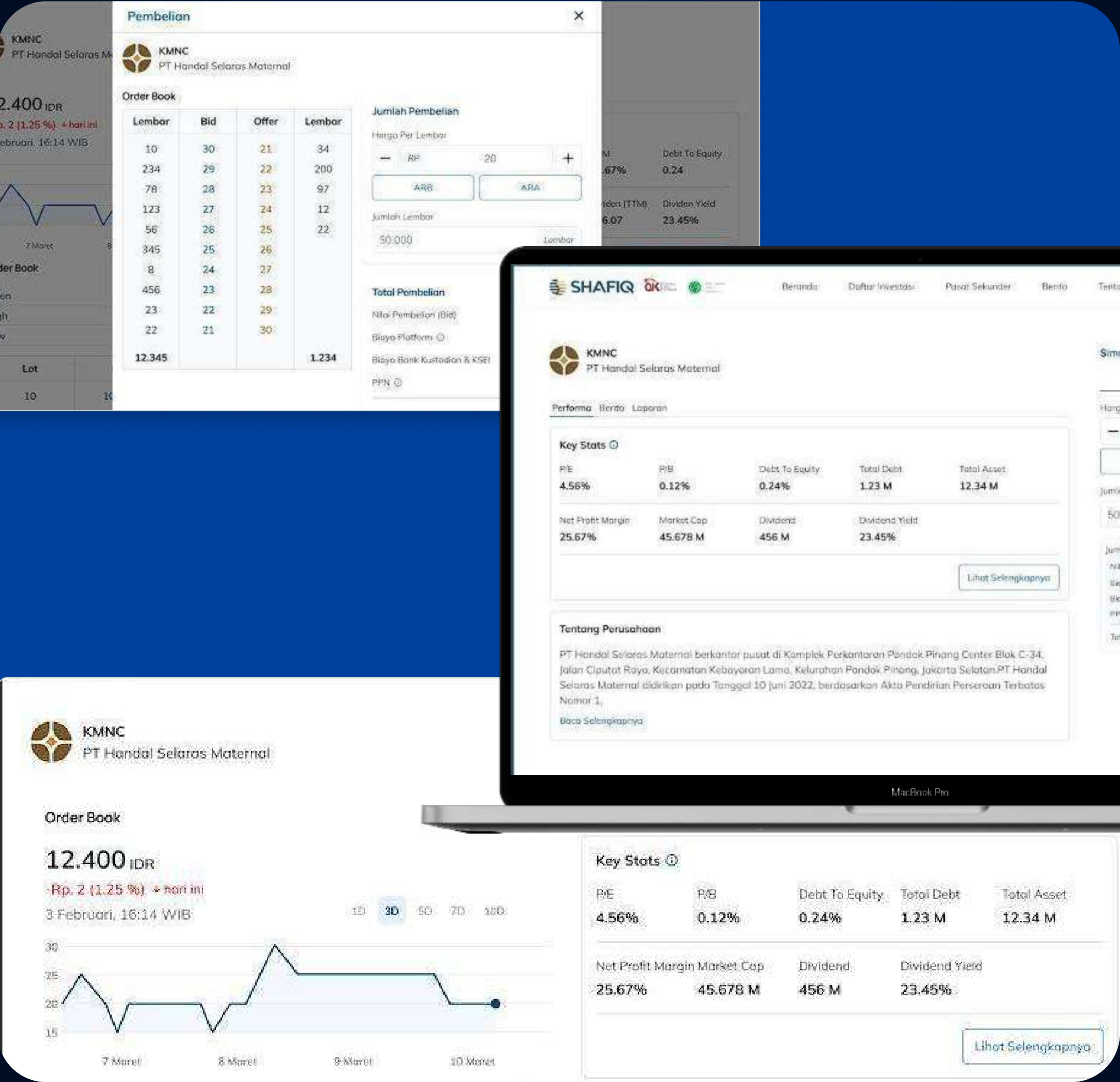**Laravel, Bootstrap, Tailwind**

Project Type

→ Outsourcing

→ WebApp

Client

PT. SHAFIQ Digital Indonesia

Year

2024

Project Name

Secondary Market Feature Development

Projet Description

With our strategic outsourcing initiative, CodeMatter is poised to elevate secondary market development for our SHAFIQ by seamlessly integrating into their sprint teams. We collaborate closely using our expertise to deliver complex outputs on a tight deadline within ongoing sprints. We aim to streamline processes, drive innovation, and enhance the overall efficiency of secondary market initiatives. The project's success will be measured by our ability to seamlessly join and enhance SHAFIQ's sprint teams, ensuring the timely delivery of high-quality outputs.

Key Features

1. Robust data presentation for user's insight
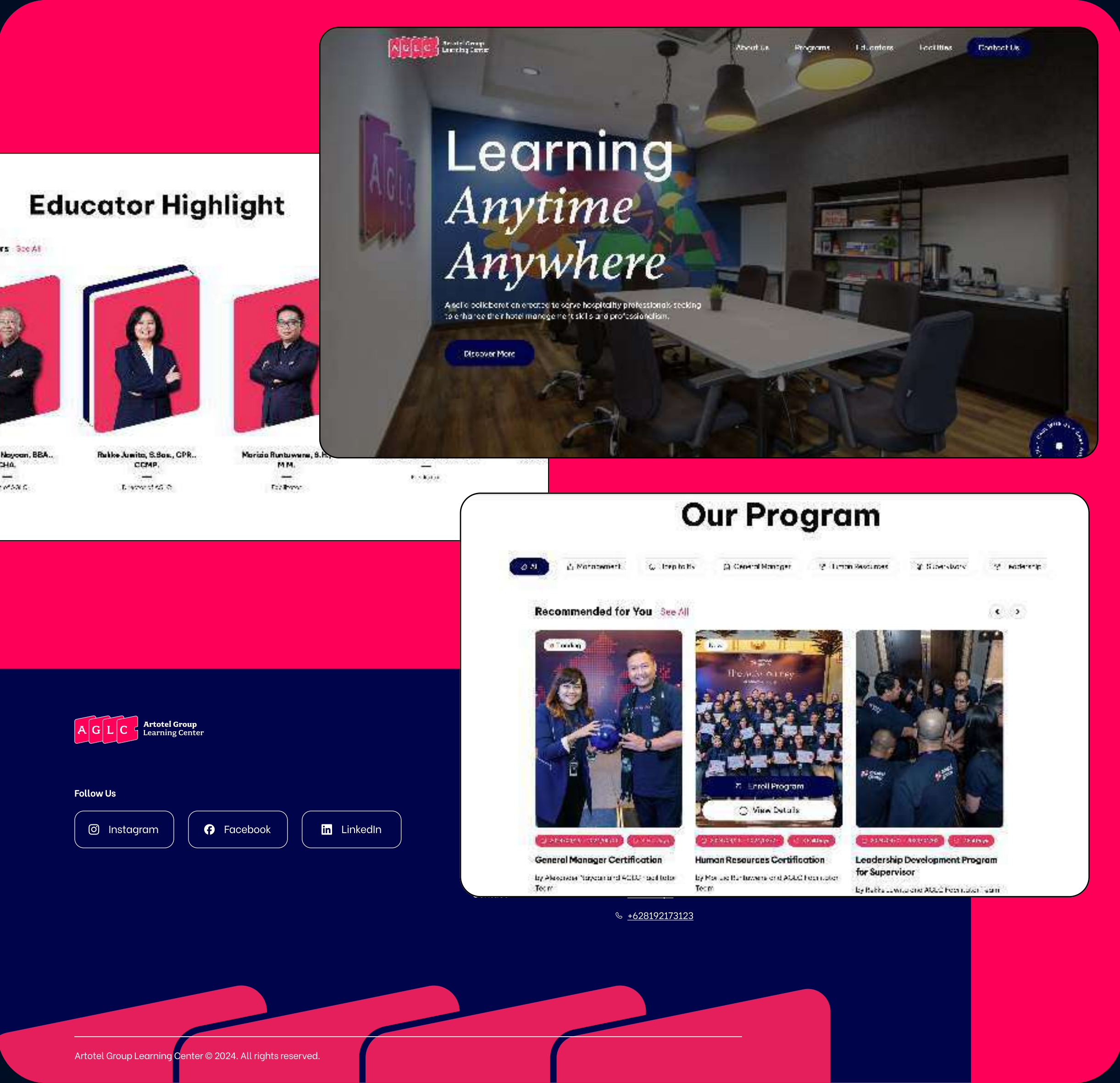2. Matchmaking transaction between demand and offering

Built with

Laravel, Bootstrap, Tailwind, AlpineJS

Project Type

→ Outsourcing

→ WebApp

CodeMatter

Client

Artotel Group Learning Center

Year

2024

Project Name

Company Profile Website For AGLC

Projet Description

AGLC has evolved from a hotel provider into a dynamic leader in hospitality, now focusing on empowering its employees through a dedicated Learning Center. This new company profile website will showcase AGLC's journey, values, and services while serving as an educational hub for staff development. With an intuitive design and rich content, the platform will provide training materials, company updates, and resources to enhance employee skills and knowledge. By combining professionalism with accessibility, the website will strengthen AGLC's brand and commitment to excellence in hospitality.

Key Features
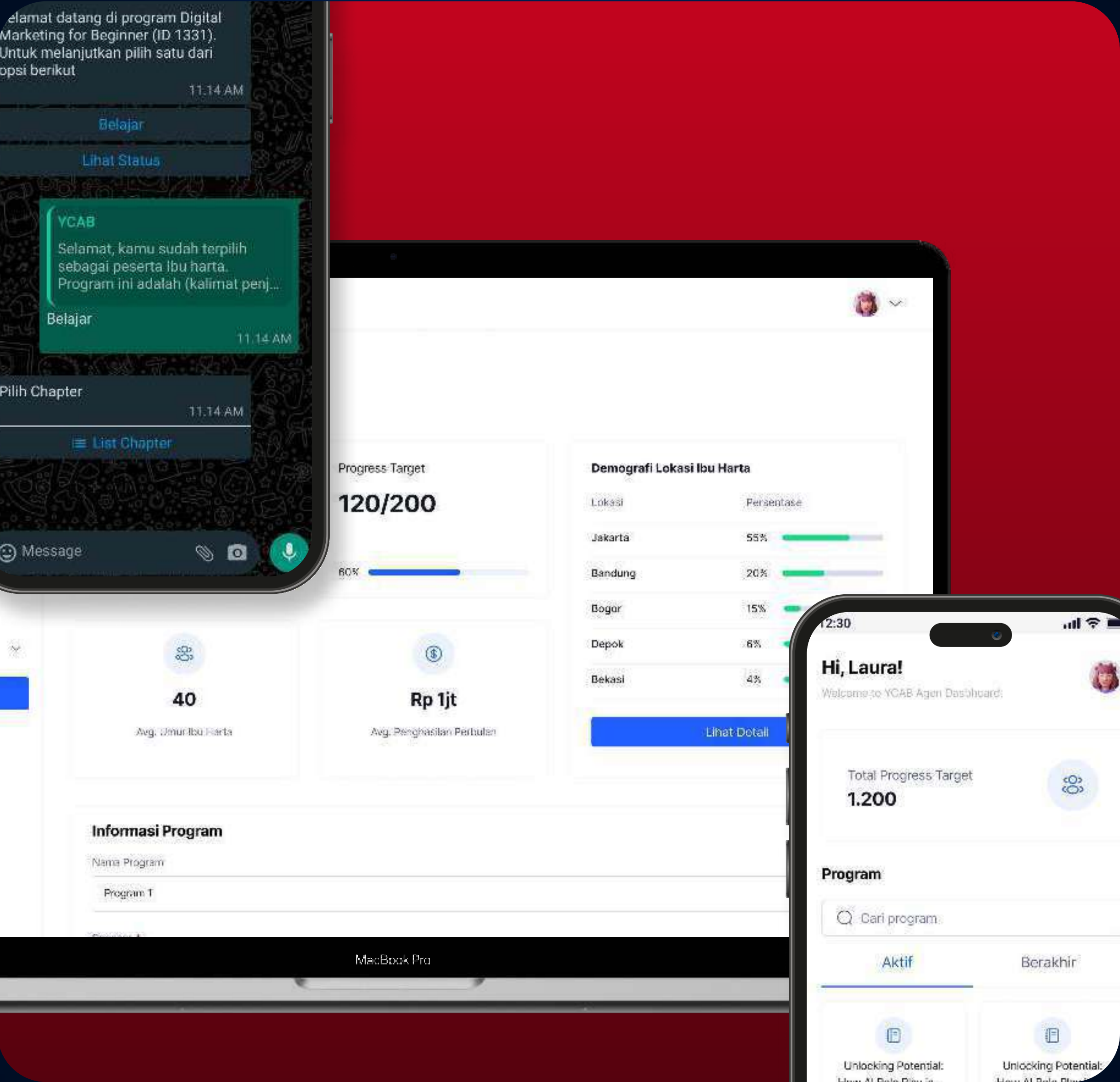
1. Education Platform
2. Website Experience & Interface

Built with

Laravel, Bootstrap, Tailwind, AlpineJS

Project Type

→ Outsourcing

→ WebApp

Client

Yayasan Cinta Anak Bangsa (YCAB Foundation)

Year

2023 - Now

Project Name

YCAB Digital Transformation

Projet Description

Yayasan Cinta Anak Bangsa (YCAB) is embarking on a transformative journey aiming to enhance their impact through a strategic digitalization initiative. Our collaborative efforts will focus on streamlining workflows, implementing efficient data management systems, and fostering digital collaboration. By tailoring solutions to the YCAB's specific needs and unique business use-cases, we aim to boost operational efficiency and empower their team through targeted training. The project seeks to equip YCAB with the digital tools necessary to navigate the evolving landscape and amplify their positive influence.
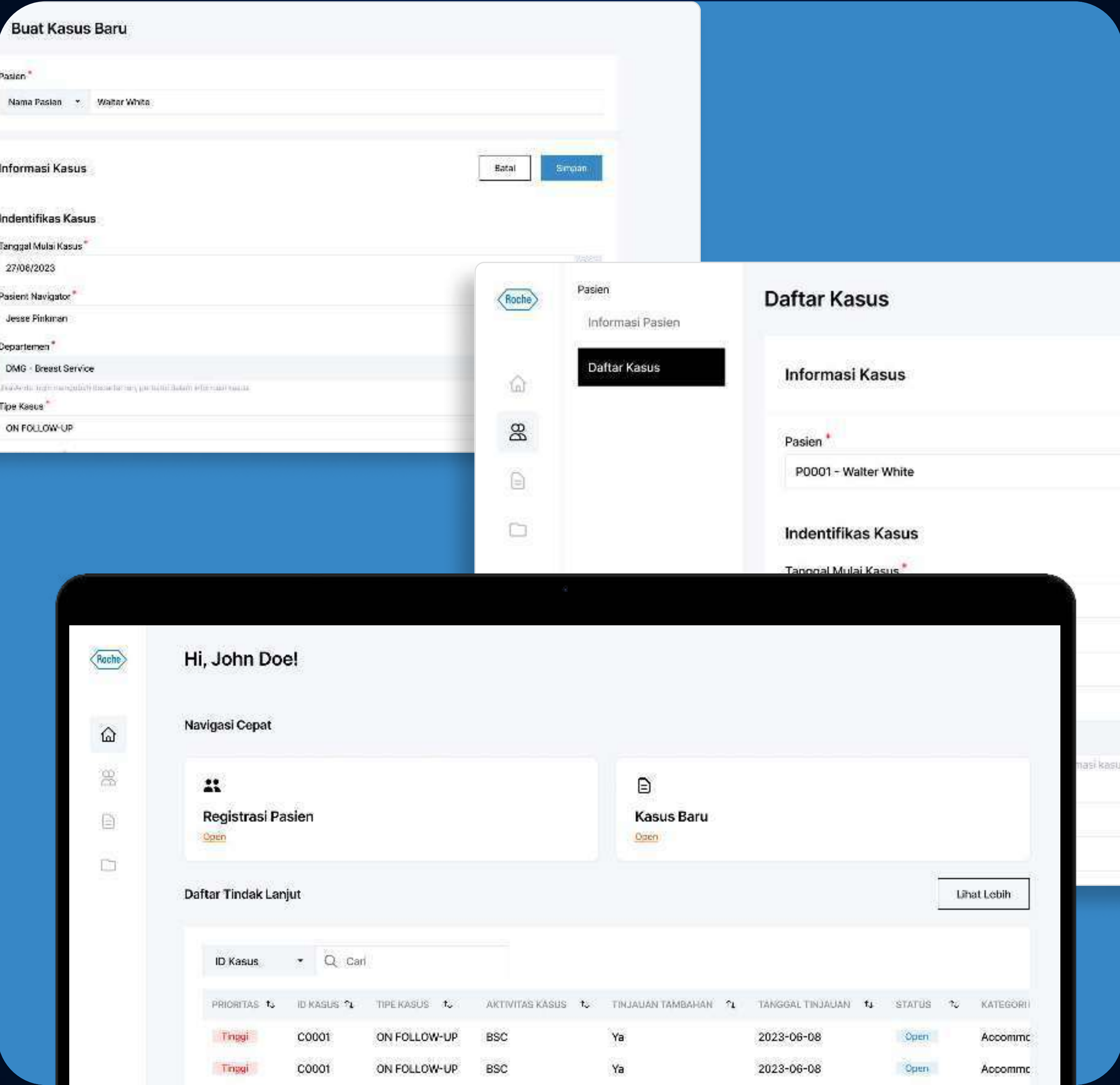
Key Features

1. Whatsapp as a learning portal
2. Integrated and tailored ERP solution for each business units

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS, Cloudflare, Laravel

Project Type

→ Consultation

→ Digital Transformation

→ Tailored LMS/ERP

→ WebApp

Client

PT. Roche Diagnostics Indonesia

Year

2023

Project Name

Cancer Patient Navigator Portal

Projet Description

Codematter has joined forces with Roche Indonesia to introduce the first patient navigator portal in Indonesia. This project serves as a pioneering pilot initiative aimed at standardizing assisted cancer treatment with a patient navigator. The patient navigator portal enables the efficient capture of all patient needs at every stage of their cancer treatment journey. The data collected can be accessed through analytics, facilitating insights and system improvements. Should this pilot project progress seamlessly, the portal will be implemented across other cancer hospitals throughout Indonesia.

Key Features

1. Dynamic built-in form
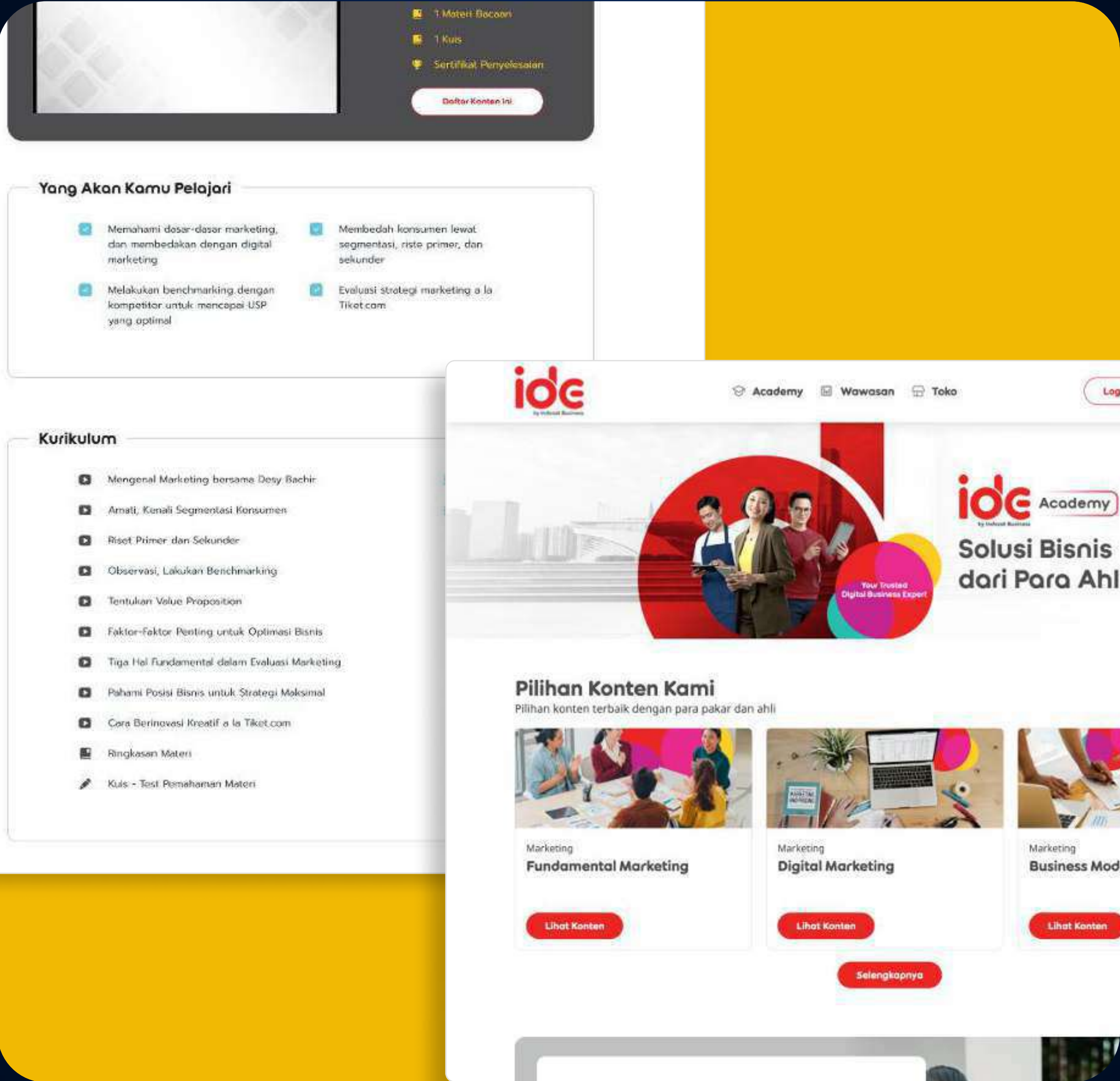2. Robust analytics for cancer treatment
3. Integration option to Satu Sehat

Built with

NodeJS, AdonisJS, MySQL

Project Type

→ WebApp

Client

PT. Indosat Oordeo Hutchinson

Year

2023

Project Name

IDE Academy

Projet Description

Integrating our Learning Management System (LMS) into IDE Portal's workflow -- an initation from Indosaat Oordeo Hutchinson (IOH) to empower SME -- is a streamlined process designed for seamless incorporation into your IDE's ecosystem. Our teamwork closely with IOH's IT team to ensure a smooth transition, customizing the LMS to align with specific requirements and existing infrastructure. Through API integrations and data synchronization, we enable effortless connectivity with the current systems, allowing for automatic data updates, user management, and course deployment. This integration not only enhances operational efficiency but also preserves the continuity of IDE's user experience.

Key Features

1. Integrated to IDE ecosystem
2. Comprehensive learners analytics
3. Various learning activities

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

Client

Jagat Live

Year

2020 - 2022

Project Name

Samara Group

Projet Description

Jagat.Live, a metaverse platform powered by advanced 360° virtual reality technology. The platform offers a comprehensive three-dimensional virtual complex experience, enabling users to recreate and interact with real-life events. You can also host your own virtual events from anywhere. With this tech, we are redefining online engagement through cutting-edge spatial computing technologies.

Key Features

1. 360 Event Venue
2. Various user engagement activities
3. Virtual exhibition
4. Ticketing system
5. Robust event scheduler

Built with

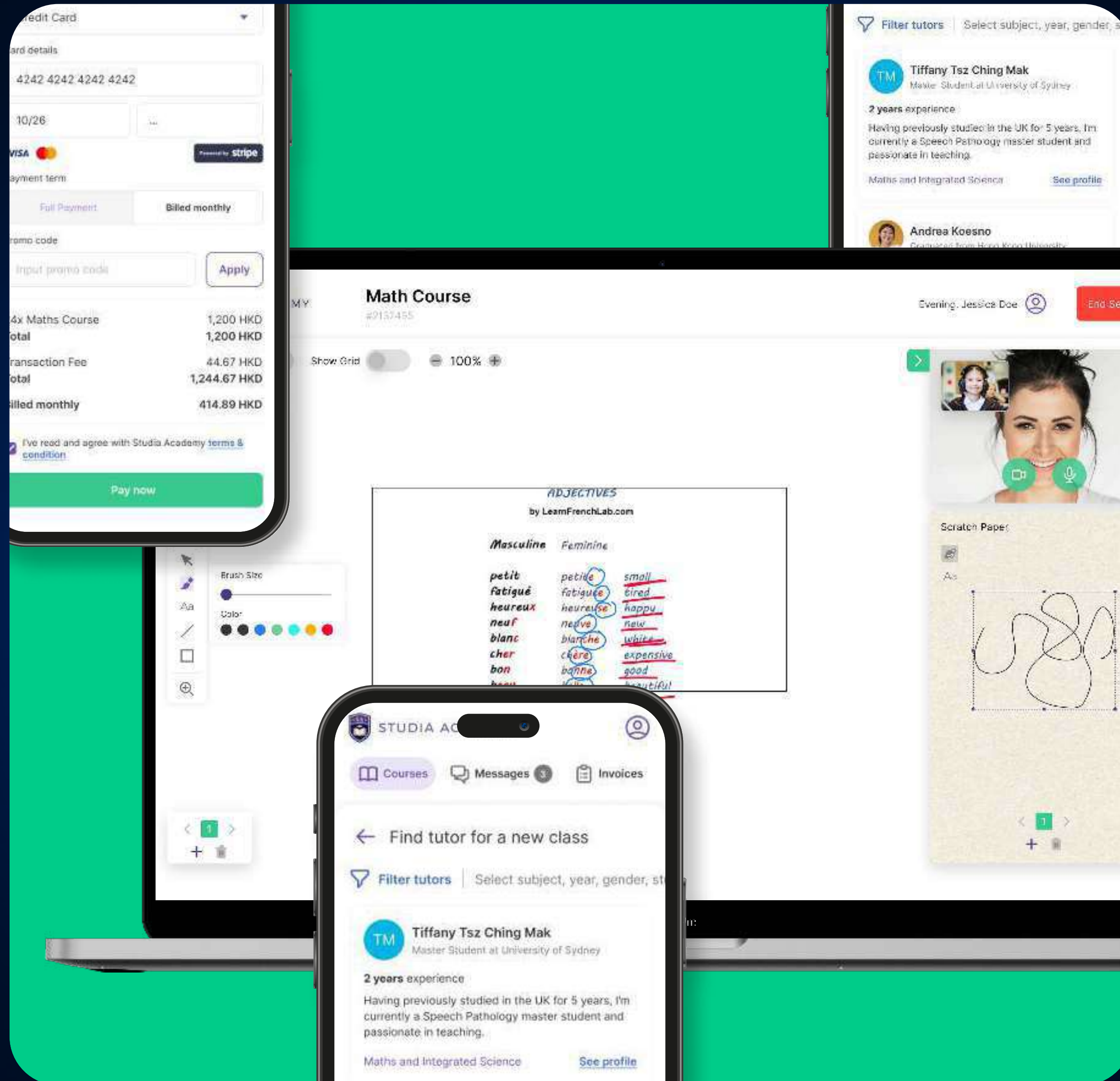**Angular, Marzipano, Laravel, AWS, Auto Scale, Kubernetes, RDS, Cloudflare**

Project Type

→ WebApp

→ Cloud

Client

Studia Academy

Year

2020 - 2022

Project Name

Studia Academy

Projet Description

Studia Academy is a Hong Kong-based tutoring platform that connects students with tutors. On the platform, parents, acting as supervisors, can enroll their children to learn various school subjects with a tutor. Parents can monitor their children's progress while students learn with their tutors. Students and tutors meet in an integrated meeting room that features a built-in whiteboard, allowing tutors to teach interactively. Students can take notes and revisit the sessions through recorded materials.

Key Features

1. Built-in virtual class room with automated recording
2. Built-in virtual whiteboard
3. Robust booking system
4. Tutor earning disbursement system
5. Classroom access control
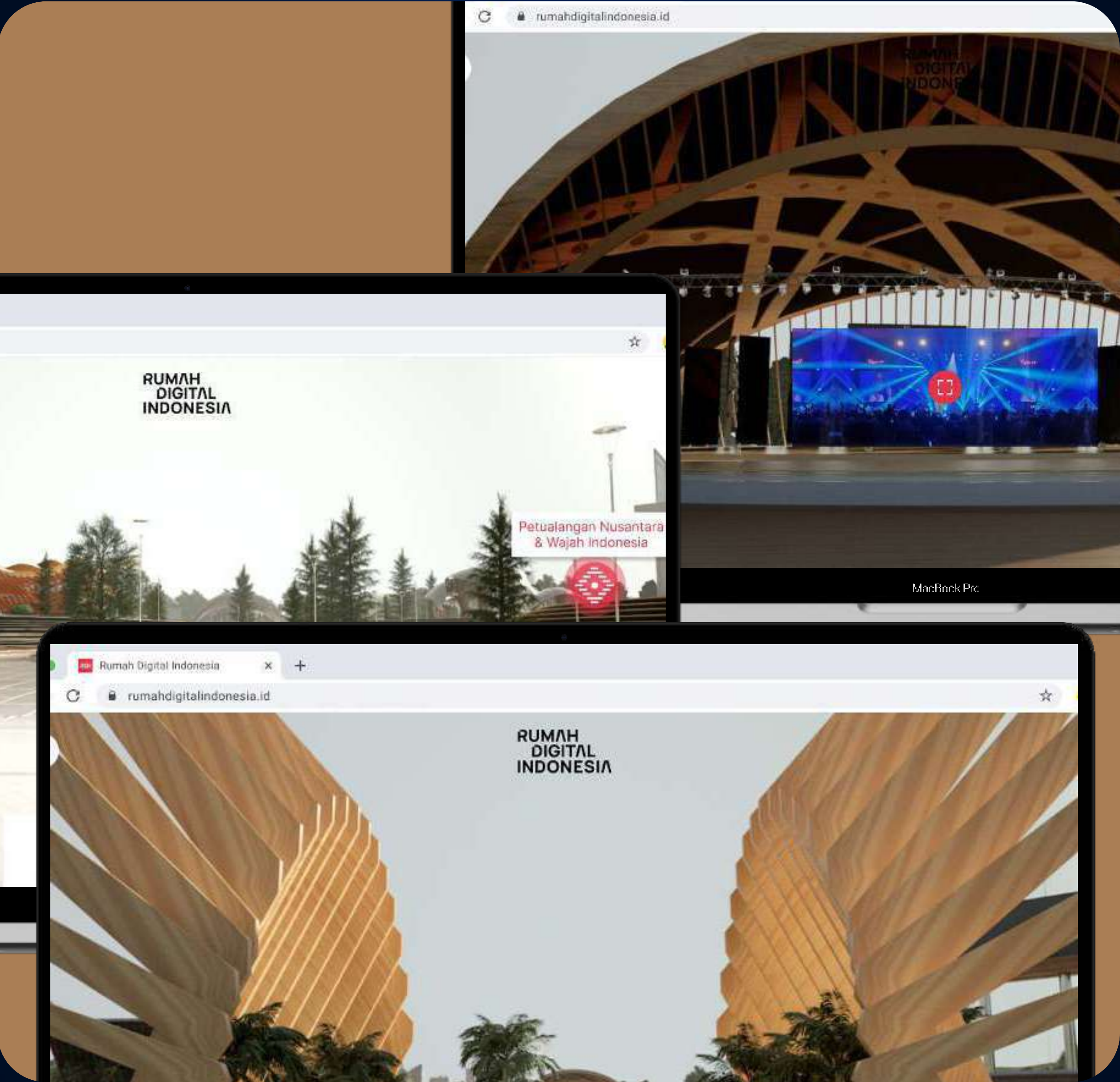6. Exportable whiteboard data to files

Built with

NestJS, NodeJS, AWS, Elasticbeanstalk, RDS

Project Type

→ WebApp

→ Cloud

Client

Rumah Digital Indonesia

Year

2021

Project Name

Rumah Digital Indonesia

Projet Description

Rumah Digital Indonesia is a digital celebration of Indonesian Independence Day, an initiative that has taken on even greater significance during the pandemic. In these unprecedented times, when physical gatherings are limited, we've transformed the way we commemorate this important day by bringing it to the digital realm. Through a series of virtual events, engaging activities, and interactive experiences, the event aimed to unite Indonesians across the nation and the world, fostering a sense of national pride and community spirit even in the face of adversity.

Key Features

1. 360 Event Venue
2. Various user engagement activities
3. Virtual exhibition
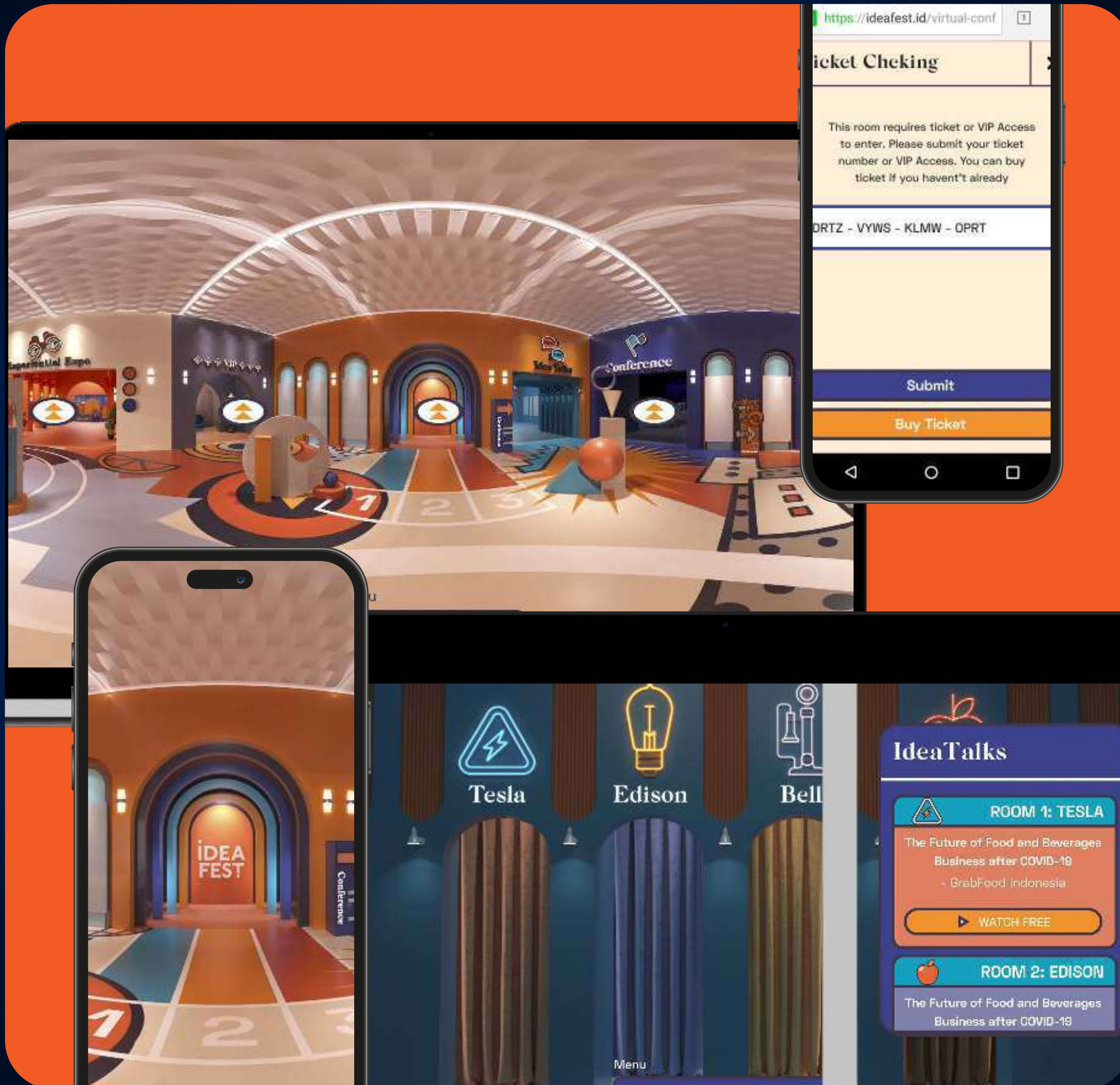4. Robust event scheduler

Built with

Angular, Marzipano Laravel, AWS, Auto Scale, Kubernetes, RDS, Cloudflare

Project Type

→ WebApp

→ Cloud

Client

Ideafest 2020

Year

2020

Project Name

PT. Ide Untuk Indonesia

Projet Description

IDEAFEST is the largest festival in the creative industry, uniting and empowering creative communities to flourish. In response to the challenges posed by the pandemic, IDEAFEST successfully adapted by transitioning to a virtual reality format. This innovative approach allowed participants to engage in a dynamic and immersive creative experience from the safety of their homes. The virtual IDEAFEST retained its essence of fostering collaboration, inspiration, and networking within the creative sector, proving that even in the face of adversity, creativity knows no bounds.

Key Features

1. 360 Event Venue
2. Various user engagement activities
3. Robust event scheduler
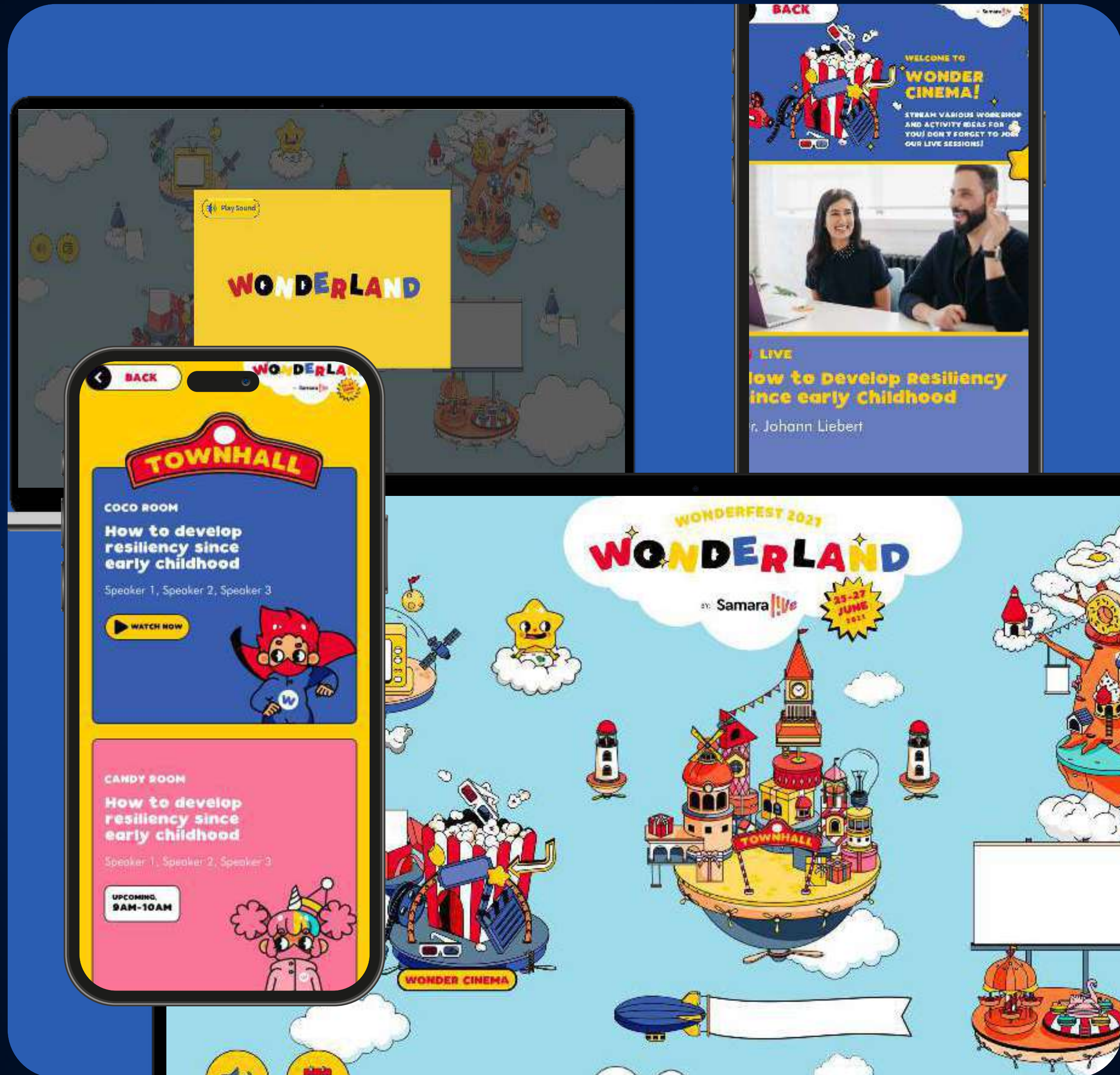4. Interactive animation for VIP guest

Built with

Angular, Marzipano, Laravel, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

→ Cloud

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Workflow

Client

Wonderfest

Year

2021

Project Name

Samara Group

Projet Description

Wonderfest is a vibrant Mom and Kid festival that celebrates the unique bond between mothers and their children. During the pandemic, Wonderfest seamlessly transitioned into an online format, ensuring that families could still come together and enjoy the magic of the festival from the safety of their homes. This innovative adaptation allowed us to continue fostering the special connection between moms and kids through a virtual platform, offering a wide array of engaging activities, workshops, and entertainment options to create cherished memories and strengthen the bond that defines Wonderfest.

Key Features

1. Interactive animated website
2. Various user engagement activities
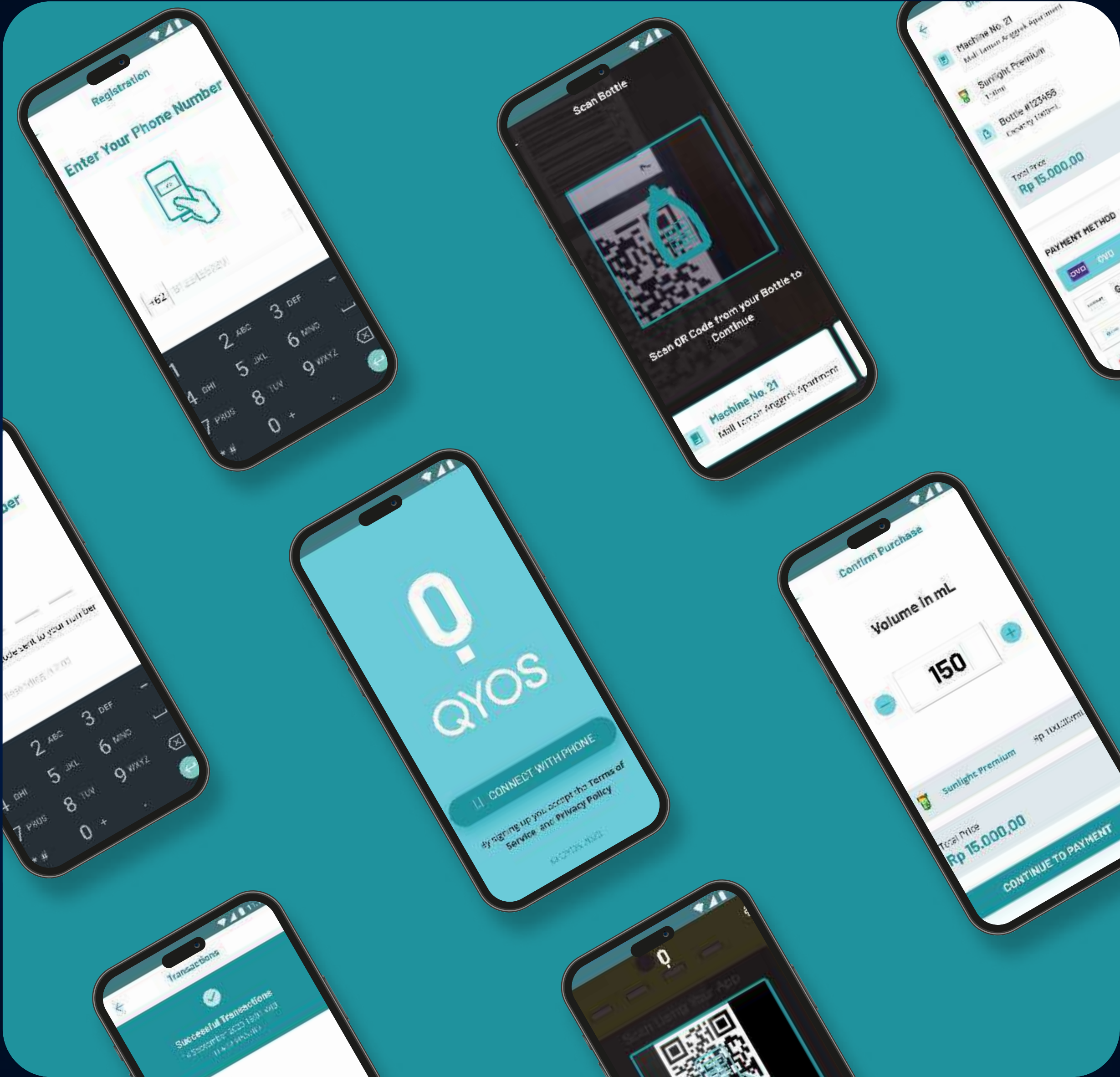3. Robust event scheduler

Built with

Angular, Laravel, AWS, Elasticbeanstalk, RDS, Cloudflare

Project Type

→ WebApp

→ Cloud

Client

QYOS App

Year

2020

Project Name

Algramo

Projet Description

QYOS is an app that enables users to conveniently refill their daily necessities, such as soap, dish soap, shampoo, and more. This app is seamlessly integrated with vending machines strategically placed in various apartments. Each vending machine is equipped with a unique barcode that can be scanned using the app. Once scanned, the app provides users with options to select the quantity of the item they wish to purchase. Upon confirmation of the transaction, the machine dispenses the soap according to their specified request.

Key Features

1. IOT dispensing machine built with Arduino
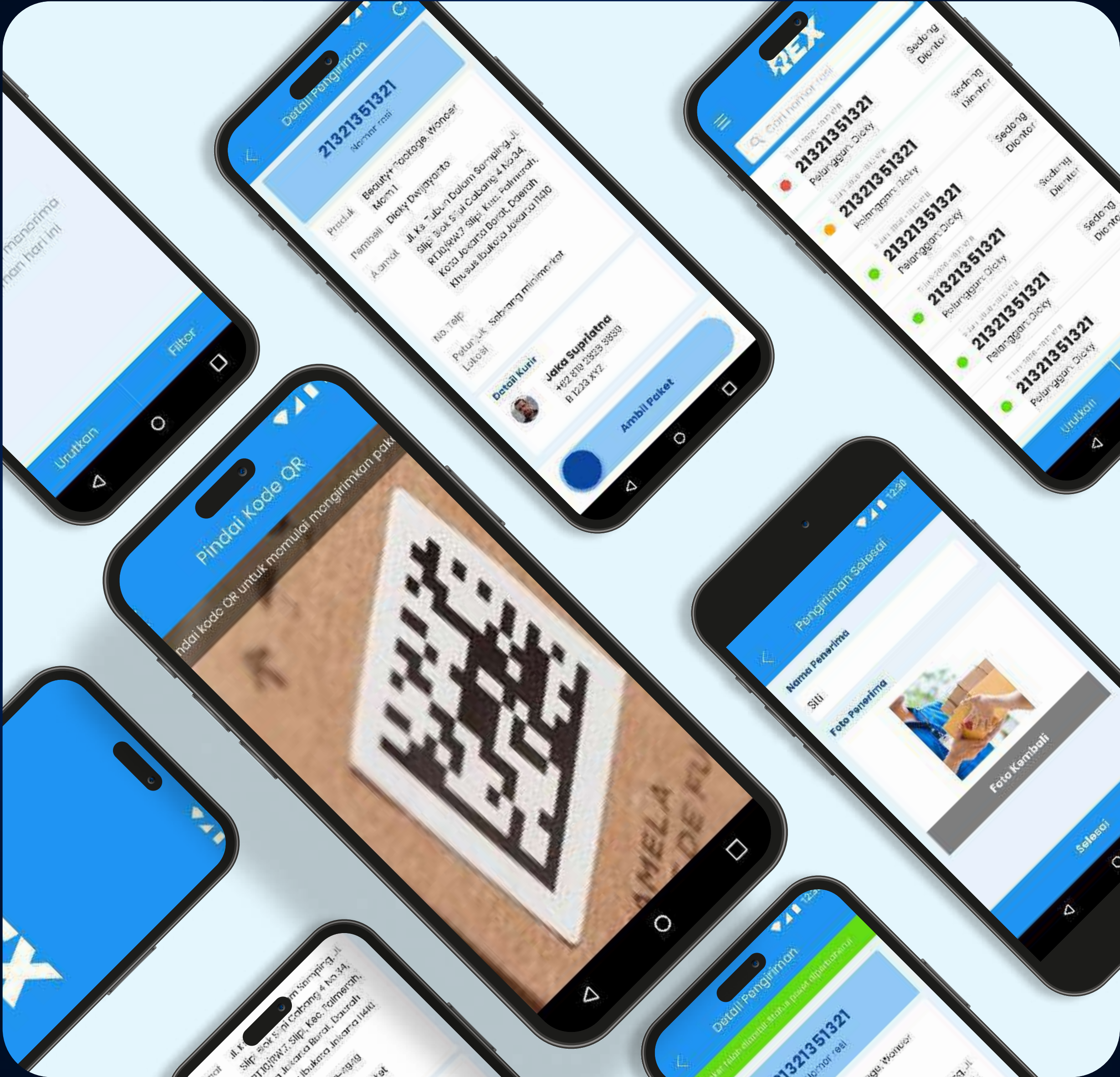2. Lightweight Android App
3. Secure transaction

Built with

Arduino, Java, Laravel, RDS

Project Type

→ Android

→ IOS

→ WebApp

→ Cloud

Client

Rex Courier App

Year

2020

Project Name

Realfood

Projet Description

Rex Courier System is Realfoods' internal courier system, which plays a pivotal role in effectively managing and monitoring our package deliveries and courier operations. This intuitive app is exclusively designed for our dedicated couriers. Each day, couriers receive delivery requests directly on their mobile devices through the app. This streamlined process ensures prompt, efficient, and accurate deliveries, enabling us to uphold our commitment to providing exceptional service to our valued customers.

Key Features

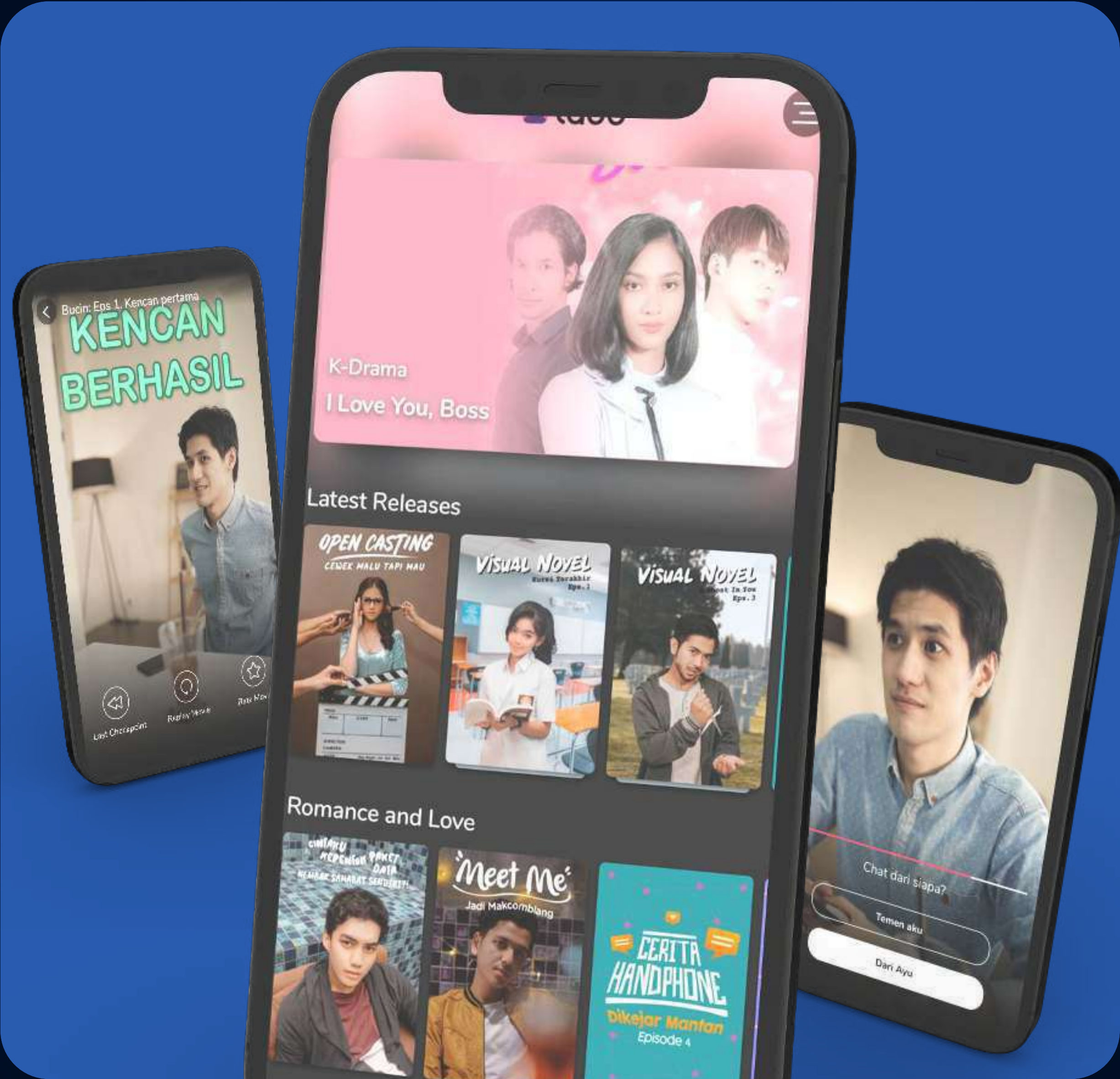1. Robust courier tracking
2. QR integrated package tracking

Built with

Java, Laravel, RDS

Project Type

→ Android

→ IOS

→ WebApp

→ Cloud

Client

TADO TV App

Year

2018-2020

Project Name

PT. Karya Anak Digital

Projet Description

TadoTv is the only Indonesian tech enabler for OTT, Brands, or any video platform to have "Bandersnatch - interactive" content in their platform. Big clients such Telkomsel has integrated TadoTv interactive video player to serve interactive content in their app. Built with: CSS, Javascript, ReactJS, SWIFT, Cocoapod, JAVA, AWS, Elasticbeanstalk, Elemental Media Convert, Redis, MySQL, Cloudfront, Elasticsearch

Key Features

1. The first vertical interactive video
2. Powerful interactive content CMS
3. Seamless branching storyline transition
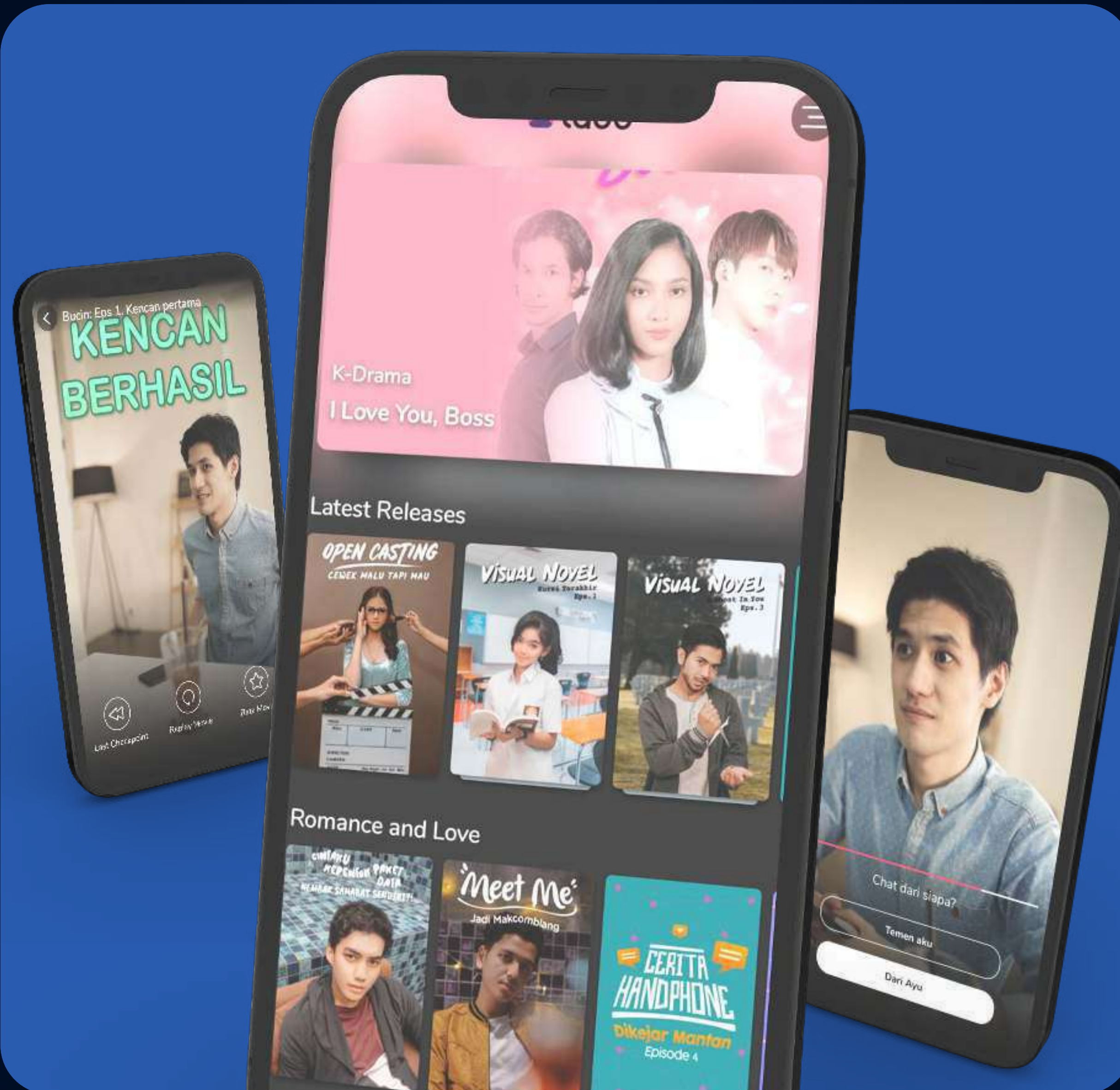4. Sleek and Modern UI
5. Hi-performance video streaming

Built with

CSS, Angular-JS, HTML, PHP, Laravel- Framework, SWIFT, Cocoapod, JAVA, AWS, MySQL, Redis

Project Type

→ Android

→ IOS

→ WebApp

→ Cloud

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<> Workflow

Client

TADO - Tanya Dong App

Year

2017-2019

Project Name

PT. Karya Anak Digital

Projet Description

Tado is a vertical video platform focusing on video Q&A that allows influencers to answer questions from their followers that bid their question for a price. Tado app also provides clever compression method that makes video size small enough yet still maintain good quality from all users.

Key Features

1. Virtual Currency payment system
2. Artist earning disbursement system
3. Interactive video filters
4. Hi-performance video streaming

Built with

CSS, Angular-JS, HTML, PHP, Laravel- Framework, SWIFT, Cocoapod, JAVA, AWS, MySQL, Redis

Project Type

→ Android

→ IOS

→ WebApp

→ Cloud

CodeMatter

Inquiries

client@codematter.id

Rukan Permata Senayan
Grogol Utara, Kec. Kby. Lama, Kota Jakarta
Selatan, Daerah Khusus Ibukota Jakarta 12210