

Success Stories

CodLUCK Technology

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Low-code

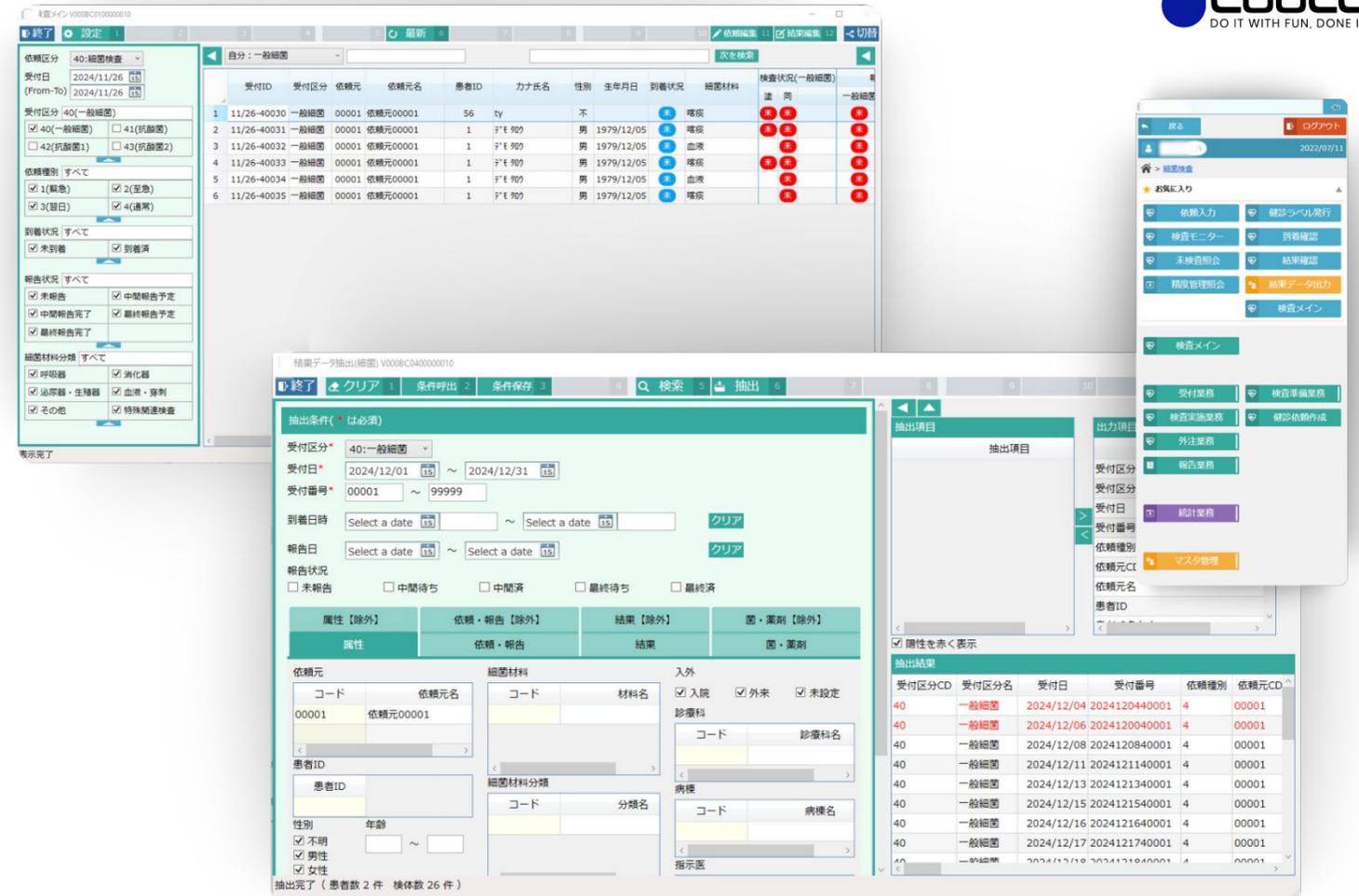
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Generative AI

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Medical Testing System

A customized medical test management system that streamlines test requests, analysis, and reporting, tailored to each hospital's unique needs.



PROJECT INFORMATION

Volume	52 man-month
Duration	14 months
Technology	C# / SQL Server

BACKGROUND

- Our client, a nationwide provider of digital solutions for medical institutions in Japan, specializes in analyzing test results and delivering drug-related information to support treatment.
- However, their existing system, already deployed in multiple hospitals, lacked flexibility and required costly customizations.

SOLUTIONS

- CodLUCK analyzed the legacy system's source code and collaborated closely with stakeholders to design optimized versions.
- We delivered full-stack development services that incorporated new requirements while maintaining system stability.

RESULTS

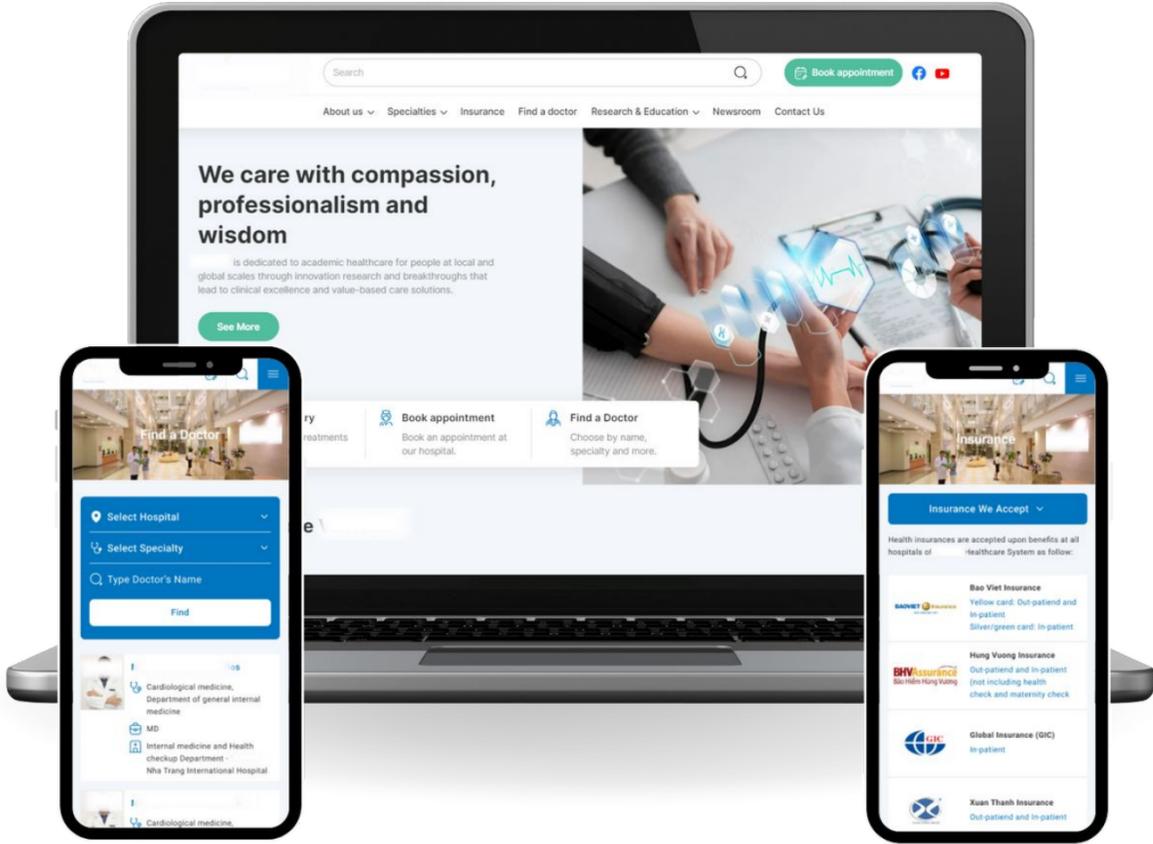
- CodLUCK analyzed the legacy system's source code and collaborated closely with stakeholders to design optimized versions: from request intake, specimen analysis to report delivery.
- We delivered full-stack development services that incorporated new requirements while maintaining system stability.

International Medical Website Attracts Foreign Patients

A high-quality medical website designed to engage international patients and travelers with an intuitive, visually appealing user experience.

PROJECT INFORMATION

Volume	10 man-month
Duration	2 months
Technology	PHP / WordPress



BACKGROUND

➤ Our client, an international-standard healthcare provider, aimed to attract more foreign patients by building a modern website. The challenge was to deliver an engaging design and smooth user experience that supports trust and accessibility for global users.



SOLUTIONS

➤ CodLUCK researched the target audience and redesigned the site with an action-focused UI/UX.
➤ We prioritized ease of navigation, clear access to information, and intuitive patient journeys.



RESULTS

➤ Enabled users to send inquiries, book appointments, and find doctors seamlessly.
➤ Increased leads in “Booking Appointment,” confirming successful engagement.
➤ Delivered the urgent project on time, fully meeting client expectations.

Shopping Mall Construction Costing System

A cloud-based construction management system that streamlines cost estimation, contract tracking, and project progress while enabling faster, data-driven decisions.

PROJECT INFORMATION

Volume	60 man-month
Duration	18 months
Technology	AWS / PHP / VueJS



Product images for illustration purposes only

BACKGROUND

- The client struggled with managing complex construction estimates due to numerous work items and manual processes.
- Key details like prices and quantities were still paper-based, creating inefficiencies and driving the need for an AWS-based construction portal system.

SOLUTIONS

- CodLUCK joined this project from the first phase until now, from making quotation to operation progress and construction progress. We developed the web system on AWS and analyzed, designed functions for the system requirements identified by the Client.

RESULTS

- Simplified estimate creation and management for construction projects.
- Enabled quick comparison of contractor bids, including pricing and quantities. Improved decision-making with centralized, cloud-based visibility.

Environmental Monitoring System

A real-time monitoring system that visualizes factory fire, pH, and water-level data on a 3D model and instantly alerts stakeholders to anomalies.

PROJECT INFORMATION

Volume	10 man-month
Duration	1 month
Technology	MySQL / PHP Laravel/ Vuejs/ .NET/ Babylon js/ Websocket



BACKGROUND

- A Vietnamese environmental solutions company needed an integrated system to monitor fire, pH, and water levels in real time.
- Beyond data collection via PLC, they required visualization on a web-based 3D model with immediate alerts during abnormal events.

SOLUTIONS

- CodLUCK developed a web application that collects PLC sensor data via MySQL and displays it in real time using WebSocket-based 3D visualization, complete with instant anomaly detection and alert functions.

RESULTS

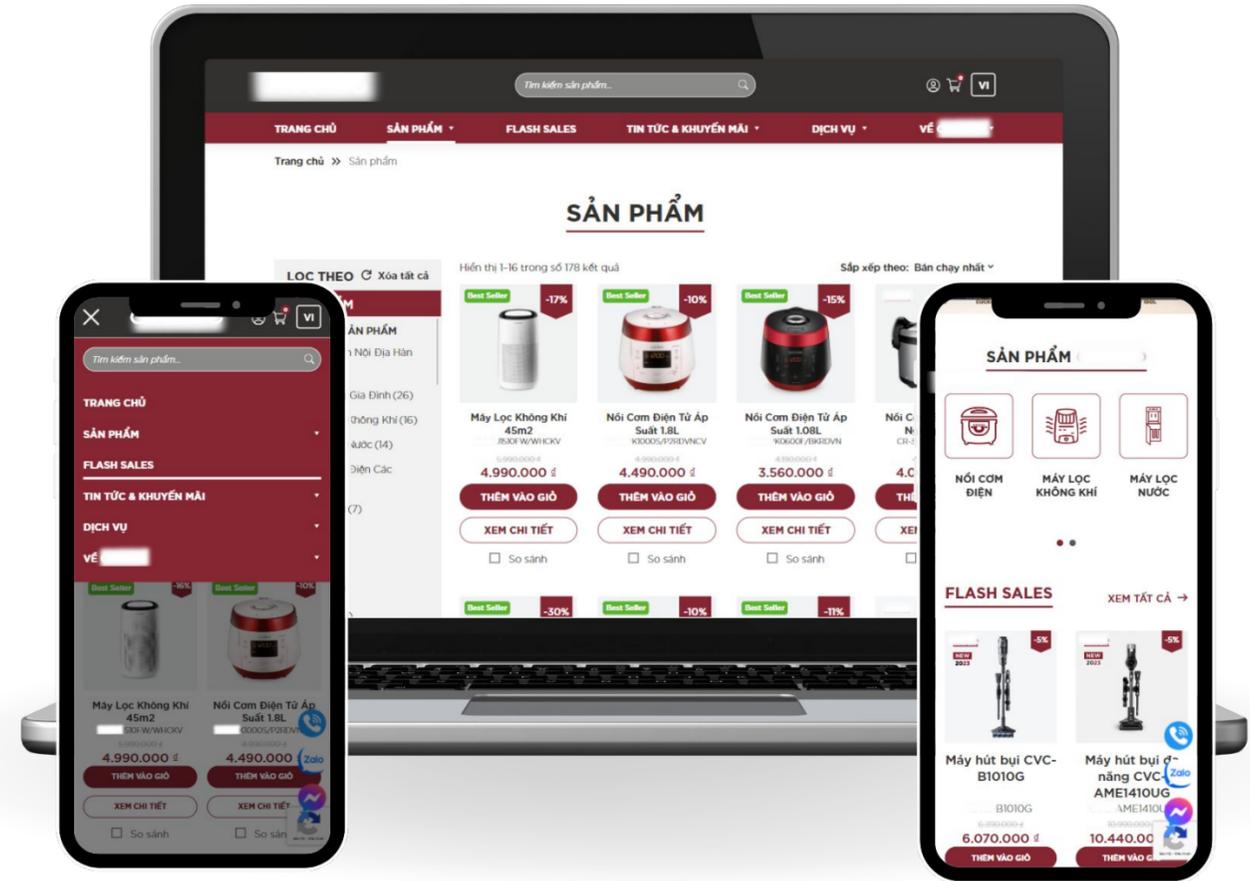
- High-precision 3D factory model with real-time sensor data visualization.
- Automatic alerts for fire, pH, and water-level anomalies. Immediate notifications via email and Telegram with visual zoom/highlighting on the affected area.

B2C Website Implementation For Korea's Leading Home Appliance Brand

A full-scale B2C e-commerce platform was developed to help a major Korean home appliance manufacturer enhance its digital presence, promote products effectively, and accelerate online sales.

PROJECT INFORMATION

Volume	9 man-month
Duration	3 month
Technology	WordPress / WooCommerce / Payment Gateway Integration



BACKGROUND

- The client, a leading Korean home appliance manufacturer, needed to upgrade their website to a full-featured B2C platform with
- e-commerce capabilities, including flash sales, shopping cart, payment, and order tracking.

SOLUTIONS

- CodLUCK upgraded the client's corporate website into a full-featured e-commerce platform, implementing key functions: product catalog, user registration, shopping cart, price comparison, payment, and checkout.
- We also integrated VNPAY and MoMo to enable seamless online transactions.

RESULTS

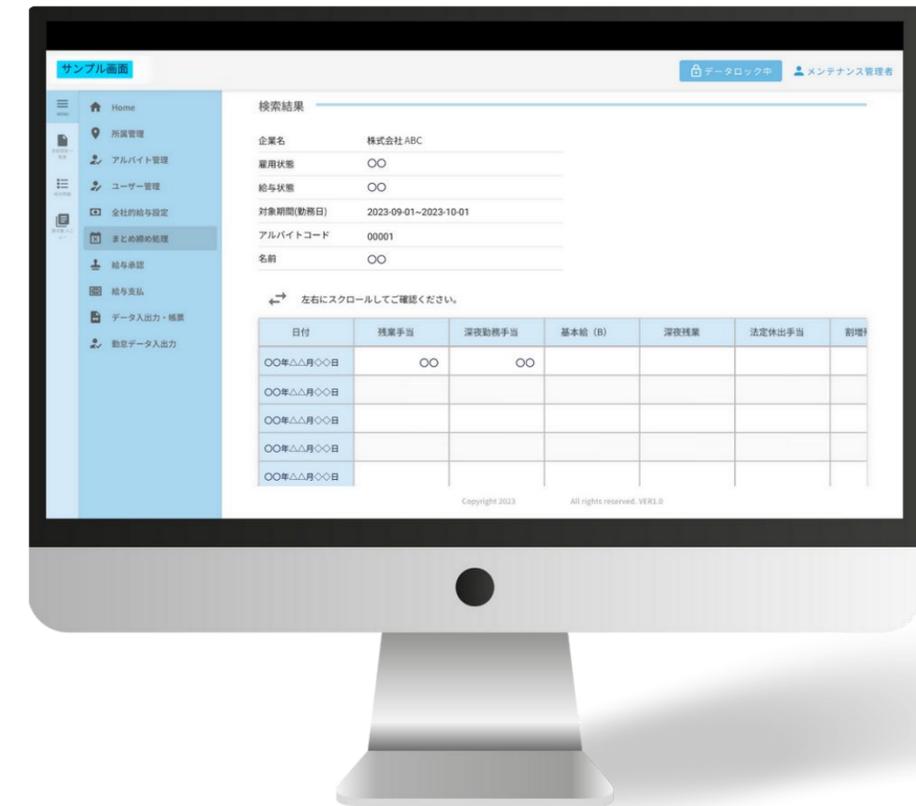
- High-precision 3D factory model with real-time sensor data visualization.
- Automatic alerts for fire, pH, and water-level anomalies. Immediate notifications via email and
- Telegram with visual zoom/highlighting on the affected area.

HR & Payroll Management System

A modern, cloud-based HR and payroll system on AWS that improves usability, reduces operational costs, and enhances scalability and maintainability.

PROJECT INFORMATION

Volume	60 man-month
Duration	12 months
Technology	AWS / PHP / VueJS



BACKGROUND

- The Client used the on-premise payment system created in 2000 and faced the risks of difficulty approaching users and operating in-house. Therefore, they wanted to renew the system and migrate to on AWS.

SOLUTIONS

- We cooperated and asked the Client about all the functions and issues then processed to identify them.
- Our team reviewed and improved each function one by one, and deployed the web system on AWS.

RESULTS

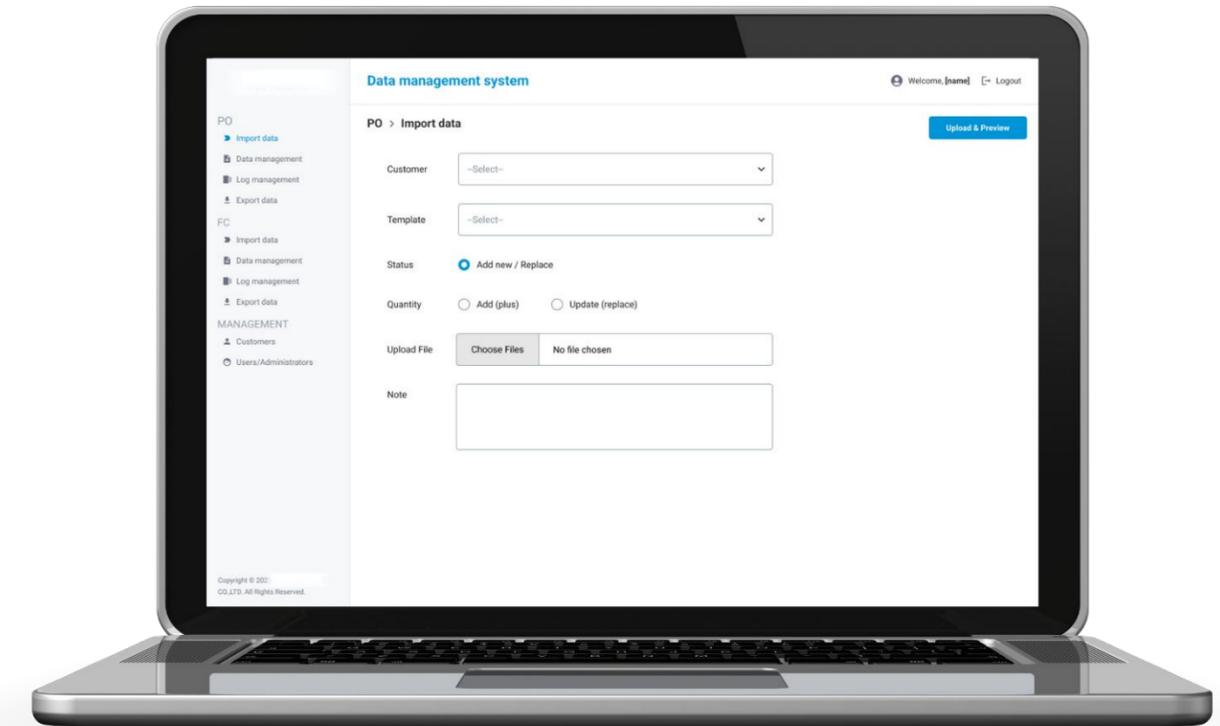
- Improved usability with a modern web interface.
- Streamlined HR and accounting operations, reducing time and effort.
- Cloud migration enhanced flexibility, maintainability, and availability.
- Reduced operational costs and improved responsiveness to end users.

PO & Forecast Management System For A Factory

A web-based system that automates monthly reporting from purchase orders and forecasts, reducing manual effort and ensuring standardized outputs.

PROJECT INFORMATION

Volume	10 man-month
Duration	3 months
Technology	NodeJS / ReactJS



BACKGROUND

- The Client wanted to have a system that converts excel forms of purchase orders and forecasts into a unified report.
- This report template will be used for the existing software of the Client and can be exported by month.

SOLUTIONS

- CodLUCK delivered a flexible, scalable full-stack web application designed to automate data aggregation and reporting, while allowing for future feature expansion.

RESULTS

- Significant time savings through automated data aggregation and reporting.
- Easy export of standardized monthly reports.
- Flexible, customizable system tailored to client needs.

CRM System for Major Truck Manufacturer

A centralized CRM system and mobile app built on Odoo that streamlines customer data management, enhances communication, and accelerates digital transformation.

PROJECT INFORMATION

Volume	150 man-month
Duration	8 months
Technology	Python / PostgreSQL / Flutter / PHP / MySQL / Odoo



BACKGROUND

- To manage customers data from many existing sources and communicate effectively with the end-customers, the Client needed to build a centralized CRM system and mobile application for iOS and Android.



SOLUTIONS

- Utilizing know-how in the automotive industry (from truck sales process to customer service), we developed a centralized system to manage their customer data from many existing sources. By adopting Odoo's open-source ERP platform, we reduced both implementation risks and costs while ensuring scalability.



RESULTS

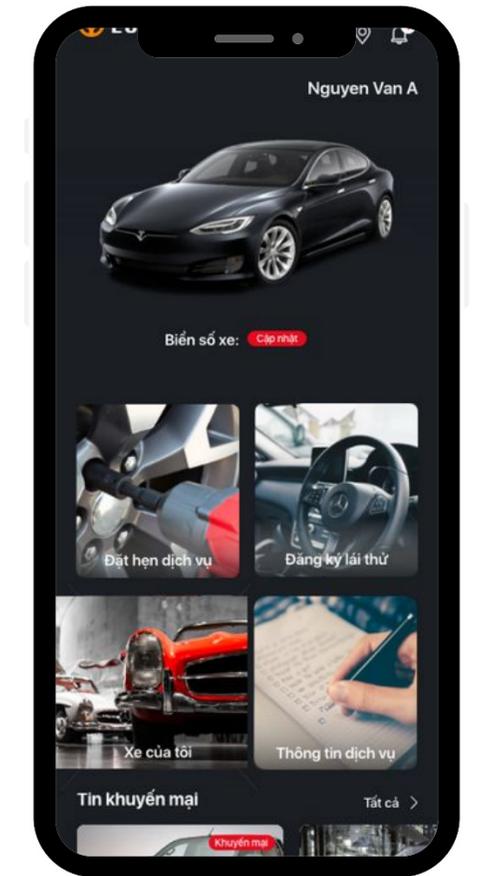
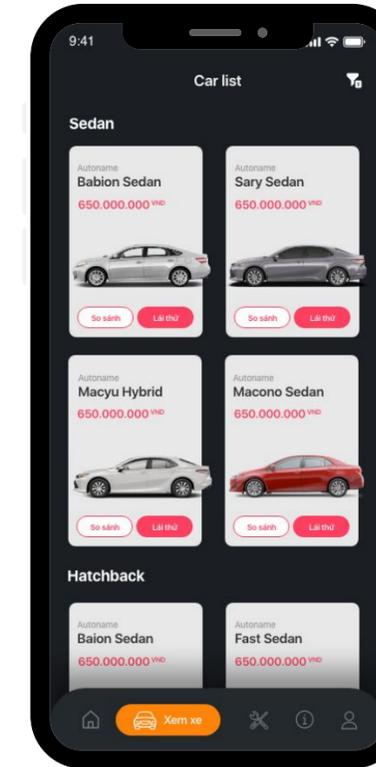
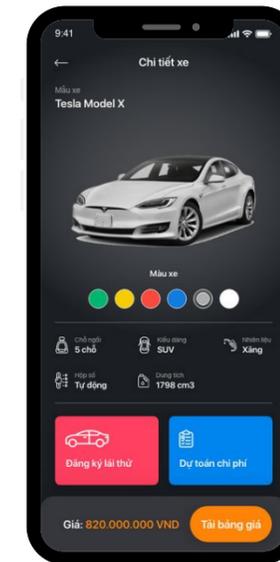
- Integrated CRM system and customer portal with mobile access.
- Supported the client's digital transformation by digitalizing internal processes.
- Minimized reliance on email and spreadsheets, improving efficiency and collaboration.

Automotive App Development to Drive Digital Transformation

A mobile app for a leading car manufacturer, designed as a new digital channel to support their omnichannel strategy and enhance customer engagement.

PROJECT INFORMATION

Volume	40 man-month
Duration	8 months
Technology	iOS / aOS / PHP-Laravel / WordPress / MySQL



BACKGROUND

- Our client, a market leader in passenger car sales, aimed to accelerate digital transformation by adding a new marketing and service channel. The challenge was to implement an app that could seamlessly sync millions of customer records and booking data with existing systems.

SOLUTIONS

- CodLUCK provided full-stack development services, leveraging our industry expertise to design and implement the app.
- We integrated key functions with the client's existing systems to ensure data synchronization and a smooth customer experience.

RESULTS

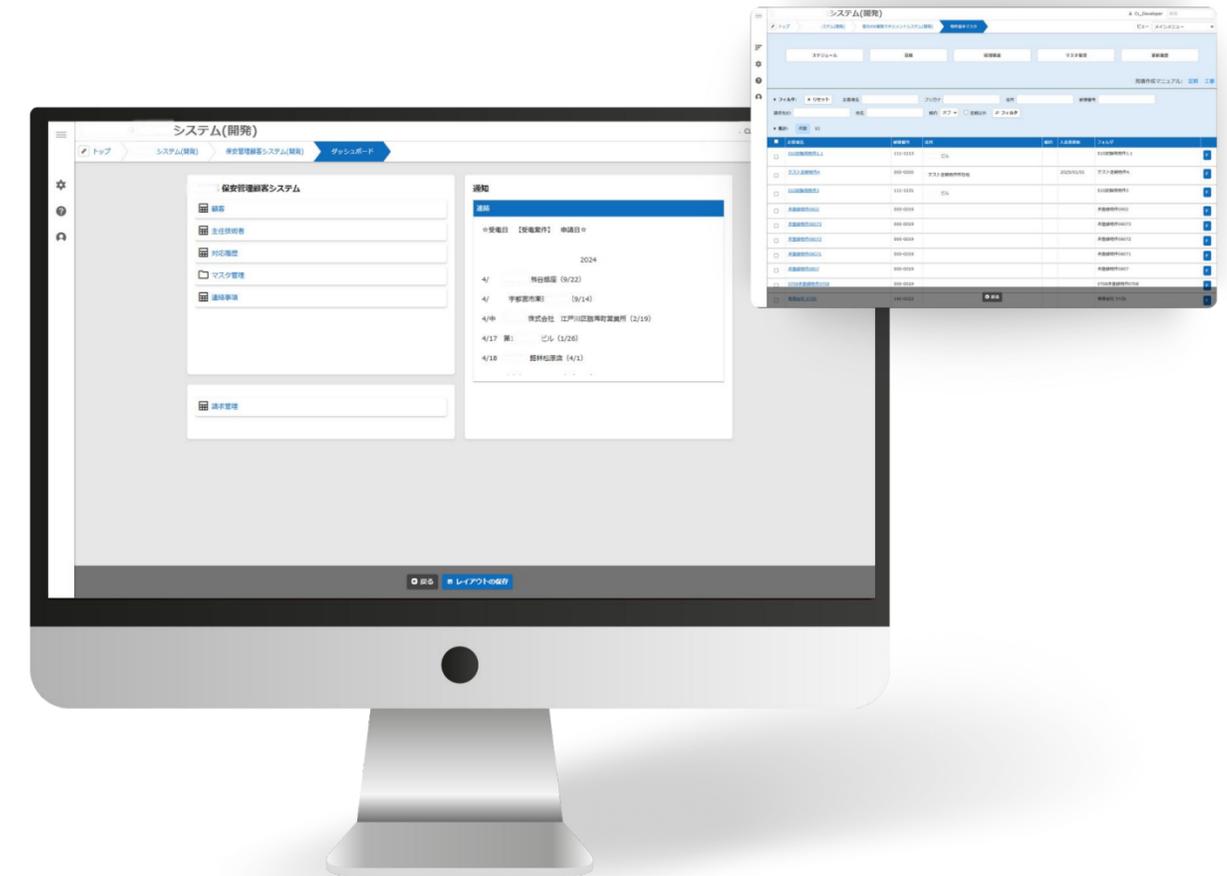
- Customers can easily register, view car details, check service history, and book services in-app.
- Early notifications support proactive planning. 100,000+ downloads on Google Play soon after launch.
- Improved customer experience and accelerated digital transformation.

Legacy CRM Rebuild with Low-Code

Migrated the legacy customer information management system to the low-code platform “Pleasant”, reducing development costs to one-third.

PROJECT INFORMATION

Volume	80 man-month
Duration	8 months
Technology	Pleasant / HTML / CSS / JS / Powershell / MS Office



BACKGROUND

- The client, a major Japanese electric power company, has relied on a customer and electricity information system built with Microsoft Access over 20 years ago. The outdated system no longer meets performance or feature needs, so the client plans to migrate to a low-code platform to improve efficiency and reduce costs.

SOLUTIONS

- Hearings to understand actual workflows and analyze the legacy Access system.
- Proposed a new system architecture on the low-code platform Pleasant, with detailed design and client reviews to ensure full feature migration.
- Engaged the client in development and testing phases to ensure accuracy.
- Delivered training and guidance on newly developed features.

RESULTS

- Migrated the entire legacy system to Pleasant, ensuring stable operations.
- Leveraged Pleasant’s built-in low-code features to cut migration costs to one-third of traditional development.
- Enabled faster customer management and data extraction with the new platform’s robust performance.

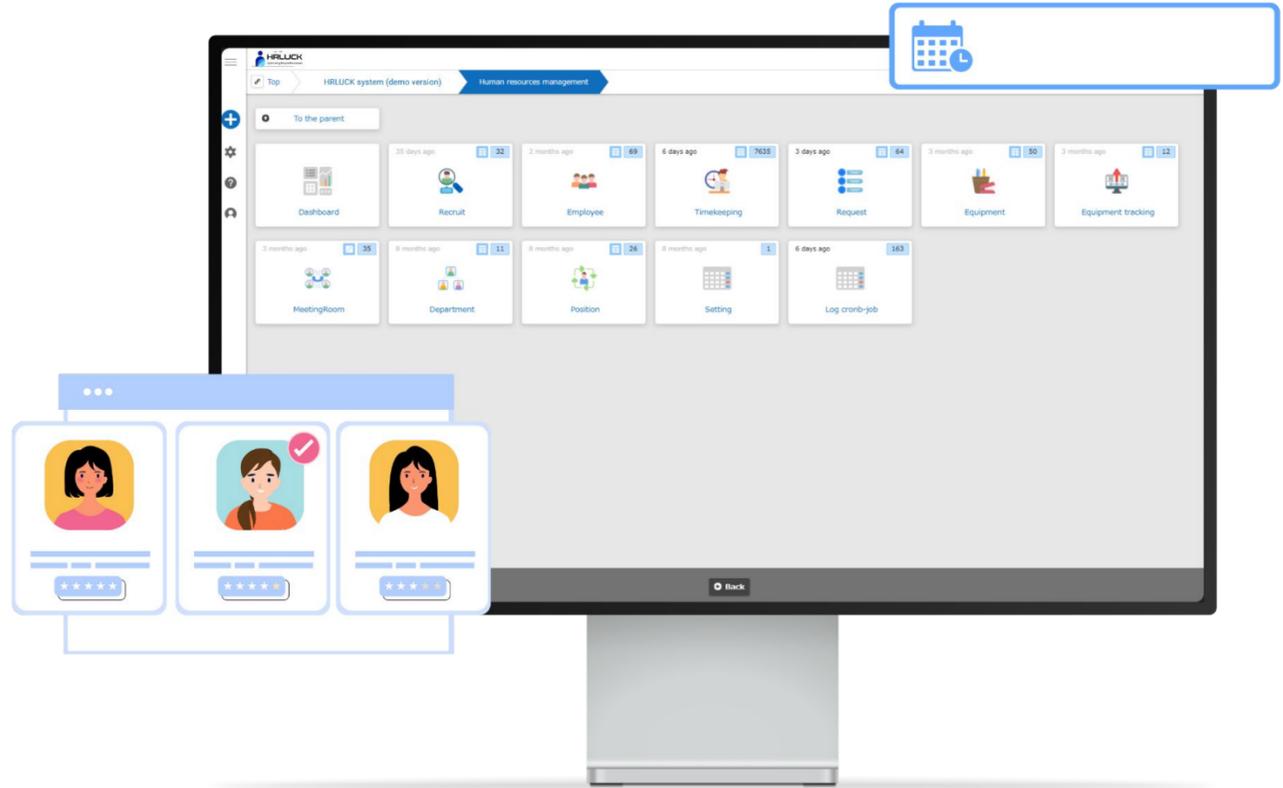
Low-code Human resources Internal system

Digitized 1,500+ Employees in 3 Months

- Full HR workflow: recruitment → onboarding → offboarding
- Internal request & approval hub for cross-team communication
- Built on low-code platform (Pleasant), reducing costs by up to 50% compared to other system
- Hybrid infra (Cloud + On-Premise) per strict security standards

PROJECT INFORMATION

Volume	20 man-month
Duration	3 months
Technology	Pleasant / PHP/VueJS / MS SQL Server / MySQL



BACKGROUND

Our client, a leading Japanese logistics company, faced:

- 1,500+ employees managed via Excel and paper → inefficiency & errors.
- Scattered data, poor collaboration, high risk of mistakes.
- Need for a secure, integrated HR system with hybrid (cloud + on-prem) setup



SOLUTIONS

- Digitized end-to-end HR workflows on low-code platform.
- Centralized all employee data, replacing Excel/paper.
- Delivered full-cycle DX: workflow design, implementation, training.
- Designed scalable infrastructure for future expansion.



RESULTS

- Fully digitized 1,500+ employees across HR processes.
- 50% more cost-efficient than comparable HRM systems.
- 3-month delivery from design to deployment.
- Streamlined HR operations, reduced manual errors. Improved employee-management communication.

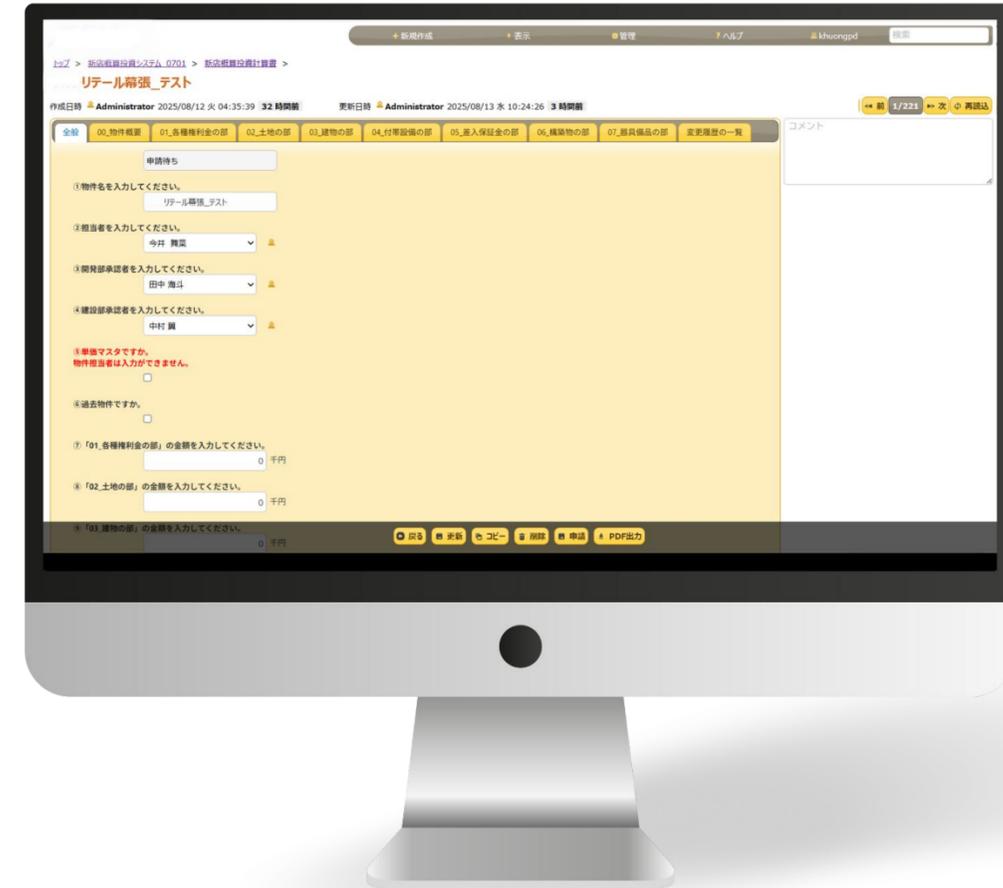
Low-code Retail Internal system

Retail Store Budget Management System

A centralized budget management system for a major retail chain, built on the low-code platform Pleasanter to streamline store opening costs and reduce development expenses.

PROJECT INFORMATION

Volume	20 man-month
Duration	3 months
Technology	Pleasanter / PHP/VueJS / MS SQL Server / MySQL



BACKGROUND

- Our client, a leading Japanese retail company, needed to estimate and manage various costs associated with opening new stores. Until then, budgets had been tracked manually with Excel and paper, leading to inefficiency and errors.
- The client sought a cost-effective, low-code solution that ensured both operational stability and scalability.

SOLUTIONS

- CodLUCK analyzed the client's workflows and designed a system architecture on Pleasanter.
- We developed the required functions, implemented them into the platform, and provided user training to ensure smooth adoption and operation.

RESULTS

- Digitized and automated budget estimation for new store openings.
- Improved accuracy and efficiency of budget management.
- Reduced development costs through low-code implementation.
- Delivered a user-friendly, scalable system aligned with real business needs.

Low-code ESG Internal system

ESG Performance Tracking System

Developed an ESG performance tracking system using the low-code platform Pleasanter, enabling the monitoring of water, electricity, and CO₂ consumption.

PROJECT INFORMATION

Volume	15 man-month
Duration	4 months
Technology	Pleasanter / ChartJS / SheetJS



BACKGROUND

- The Client wanted to create a performance tracking system (monthly consumed water, electricity and CO₂, etc.) of about 166 branches all over Japan, against KPI targets for their ESG. The system is required to have an easy-to-follow dashboard and the data can be exported to Excel, CSV.

SOLUTIONS

- Researched and applied new features of Pleasanter to this project, assisting the client in implementing a demo IT system for tracking and reporting ESG KPIs and related goals.
- The system supports large-scale ESG data collection and simplifies input and management through charts, Excel, and CSV integration.

RESULTS

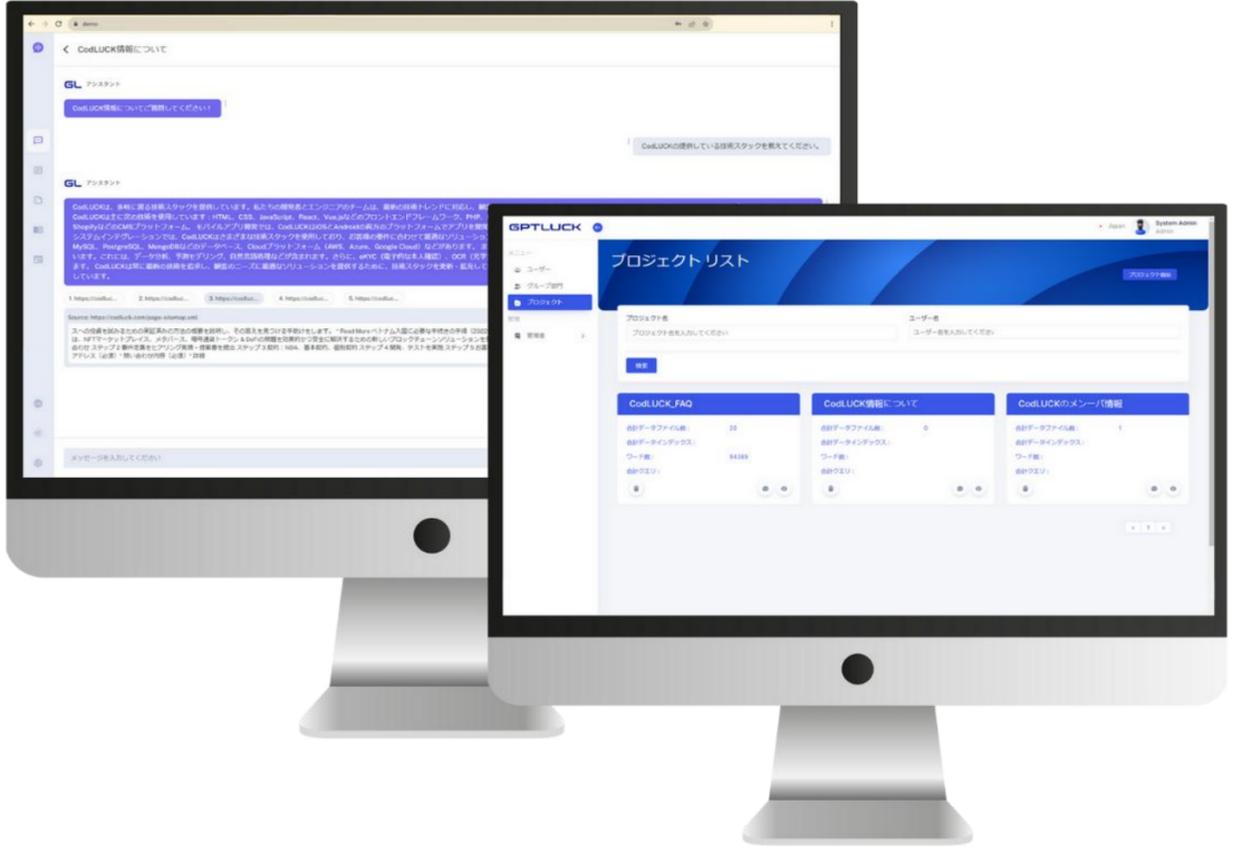
- CodLUCK's specialists successfully developed and delivered a low-code solution to the Client.
- Using Pleasanter to build the system helped deploy time 40% faster than traditional web systems.

GPTLUCK: AI-Powered Marketing Platform

Developed a marketing support system leveraging OpenAI API to analyze data and documents, enhancing efficiency in marketing and sales operations.

PROJECT INFORMATION

Volume	10 man-month
Duration	2 months
Technology	Python / NodeJS / ReactJS / PHP Laravel / ChatGPT (OpenAI API)



BACKGROUND

- A Japan-based B2B sales company considered adopting a ChatGPT-powered system to automate content generation.
- Key requirements included:
 - Integration with existing platforms.
 - Support for multiple data formats (PDF, CSV, DOC).
 - Secure and reliable system operation.



SOLUTIONS

- Our developers utilized OpenAI's service in creating articles and blogs.
- We designed sample prompts and improved them for corresponding sets of articles. CodLUCK supported integrating GPTLUCK with the existing systems (third-party systems).



RESULTS

- Enabled automated content generation using marketing templates such as AIDA, FAB, and PAS.
- Supported multiple data formats: PDF, CSV, DOC. Offered flexible data integration methods: API integration, sitemap referencing, and voice input.

AI Event Tracking System

An AI-powered system for event organizers that automatically tracks key post-event metrics, from attendance numbers to customer attitudes toward products and services.



PROJECT INFORMATION

Volume	8 man-month
Duration	2 months
Technology	Python / YOLO

BACKGROUND

- Our client, an event organizer, struggled to evaluate event effectiveness due to the lack of an automated way to measure KPIs.
- They needed a solution to track both quantitative data, like attendee counts, and qualitative insights, such as customer sentiment about products and services.



SOLUTIONS

- CodLUCK developed an AI-driven system leveraging generative AI technology to capture and analyze post-event data.
- The system automatically generates reports from server-collected data, giving organizers a clear view of event performance.

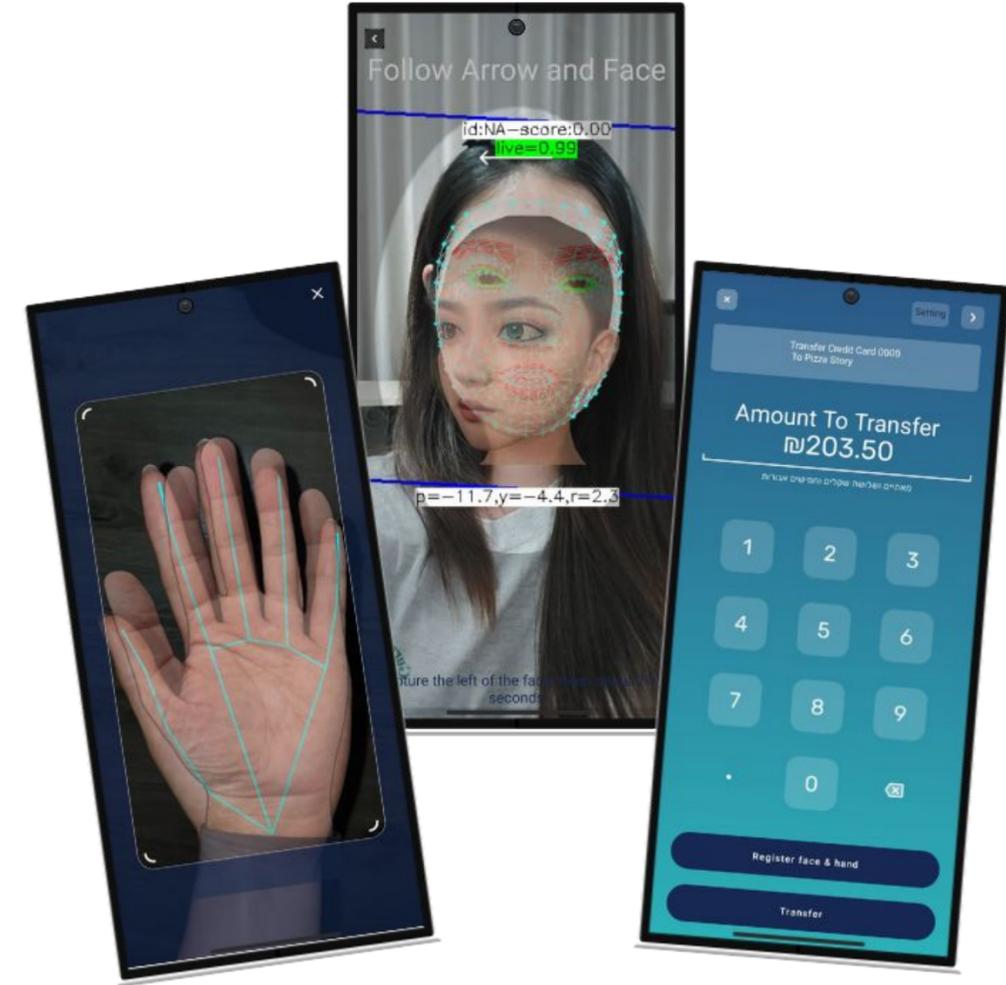


RESULTS

- Automated tracking of key post-event KPIs.
- Accurate measurement of attendee numbers.
- Insights into customer attitudes toward products and services.
- Delivered actionable reports to evaluate event effectiveness.

AI-Powered Biometric Payment App

An AI-powered money transfer app with two-factor biometric authentication (Face ID + Palm ID), delivering over 99% accuracy, stronger security, and minimized fraud risk.



PROJECT INFORMATION

Volume	5 man-month
Duration	3 months
Technology	Java / Kotlin / C++

BACKGROUND

- Our client sought to strengthen transaction security and accuracy by implementing two-factor authentication in their money transfer application.
- They required a robust solution combining Face ID and Palm ID, ensuring only legitimate users could initiate and complete transfers, thereby reducing fraud risks and building customer trust.



SOLUTIONS

- Collected and trained AI models on diverse face and palm datasets.
- Implemented a high-precision dual biometric verification flow.
- Integrated AI-driven algorithms to achieve near-perfect accuracy



RESULTS

- Delivered a secure money transfer app with 99%+ authentication accuracy.
- Strengthened protection against unauthorized transactions.
- Reduced fraud risk while maintaining a smooth user experience

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