ERBIS

supply chain optimization software

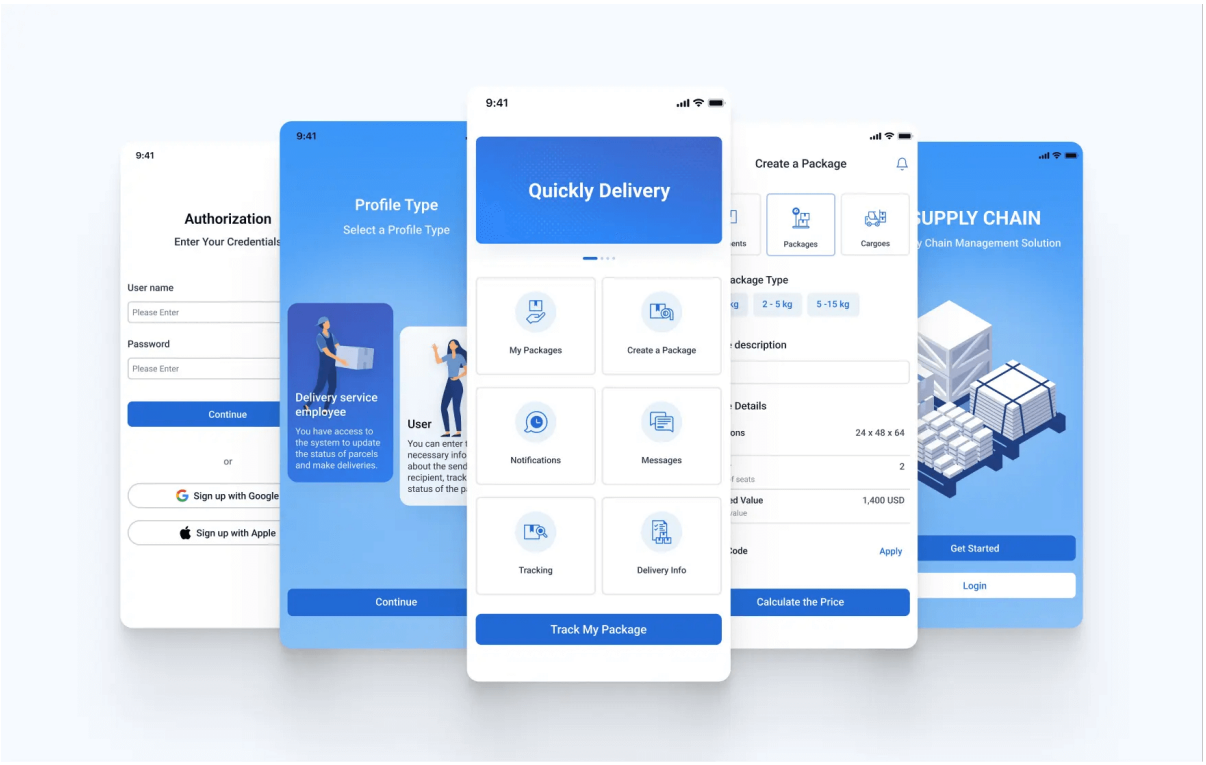
the challenge

Our client, a cargo logistics provider in San Francisco, faced growing safety risks due to their outdated supply chain management software. The legacy system struggled to handle escalating data volumes. It eventually created potential for security vulnerabilities that could compromise customer data and logistical operations. This given, inefficiencies in data handling and user limitations threatened real-time visibility, increasing the chances of delayed shipments, missed compliance checks, and cargo mismanagement, all of which could pose safety hazards. What we actually did was a comprehensive system upgrade to establish a safer, more reliable, and proactive solution that mitigates risks, protects sensitive data, and ensures secure cargo handling.

the innovation

Erbis delivered a cutting-edge supply chain software solution that introduced real-time tracking, automated compliance checks, and advanced analytics for enhanced cargo safety and logistics management. Our new app is built on a microservices architecture, the new system supports high fault tolerance and scalability, which are crucial for safe, uninterrupted operations.

Our solution integrates with more than 40 carriers, providing a cohesive view of shipment data and risk alerts. Key features, including personalized dashboards, real-time notifications,



and role-based authorization, empower users to monitor shipments proactively, optimize routes, and maintain strict safety protocols.

how it was implemented

Our development process commenced with an in-depth assessment of the client's needs and logistics challenges. Through collaborative design sessions, we crafted a roadmap that incorporated a shift to microservices architecture, enabling fault tolerance and high scalability. REST APIs were developed for seamless data migration and enhanced functionalities, such as new web forms for cost comparisons across carriers. During implementation, we ensured continuity by supporting existing platforms while introducing advanced tech features. This systematic approach allowed for a smooth transition, minimizing disruption and establishing a robust, safety-oriented system.

result

The new solution transformed our client's logistics operations, resulting in measurable safety and efficiency gains. Operational downtime was effectively eliminated, and real-time tracking minimized the risk of cargo mishandling. Automated compliance checks and data encryption protocols enhanced data protection, supporting industry standards. Users reported a decrease in manual errors and improved response times, directly contributing to safer, faster cargo delivery. Additionally, the system's self-service portals and dashboards improved transparency, reducing support calls and empowering customers to make informed, safety-conscious decisions.

conclusion

Erbis' software modernization project not only addressed the immediate safety concerns of our client's cargo logistics operations, but also ensured sustained operational resilience. Both architecture and real-time data integration capabilities significantly improve risk management and set a benchmark for secure logistics in the industry (we do hope so). With over a decade of expertise in supply chain and logistics software, Erbis continues to prioritize safety innovations that enhance operational integrity, empower users, and secure the movement of goods.

LINK: https://erbis.com/