ZEROVAEGA TECHNOLOGIES

MAKER–CHECKER

GLOBAL ENTERPRISE DOCUMENT APPROVAL PLATFORM

POWERING GLOBAL WORKFLOWS. SECURING EVERY APPROVAL.

One Platform. Global Workflows.
Secure Approvals. Smarter Operations.



CLIENT / DOMAIN	PROJECT TYPE	ENGAGEMENT
Global Enterprises Across Industries	Mobile Application (Cross-Platform)	End-to-End Product Build

01 EXECUTIVE SUMMARY

Zerovaega Technologies designed and delivered the Maker-Checker Mobile Application, a global enterprise-grade workflow solution that replaces desktop-bound ERP approval cycles with a secure, role-based mobile experience. Integrated with client ERP systems via REST APIs, the platform empowers organizations worldwide to create, review, approve, and track documents seamlessly — reducing turnaround time and ensuring full compliance, visibility, and control across geographies.

02 THE CHALLENGE

- Heavy dependency on desktop ERP systems limited flexibility for remote teams.
- Manual, in-person approvals causing delays and inefficiencies.
- Little to no real-time visibility into document statuses across regions.
- Role-based access control gaps leading to potential risks.
- Fragmented document formats and inconsistent approval tracking.

03 THE SOLUTION

- Centralized mobile app with secure, role-based Maker / Checker access.
- End-to-end document upload, review, commenting and approval workflow.
- Real-time synchronization through secure REST APIs.
- Complete audit trail for every document action and decision.
- JWT authentication, RBAC and encrypted data storage for global security.

04 KEY BENEFITS

Faster Approvals · Work from Anywhere · Secure Approvals · Real-time Synchronization · Complete Transparency · Enterprise-grade Security

EMPOWERING GLOBAL BUSINESSES WITH SECURE, MOBILE-FIRST APPROVALS
ANYTIME. ANYWHERE. EVERYWHERE.

01 DOCUMENT WORKFLOW

MAKER

1. Login
2. Dashboard
3. Upload Doc
4. Add Details
5. Attach Files
6. Submit
7. Track / Resubmit

CHECKER

1. Login
2. Dashboard
3. View Pending
4. Open Doc
5. Review Comment
6. Approve / Reject / Revert

02 KEY CAPABILITIES

Authentication & Security
Email/password login, session mgmt, RBAC, secure logout.

Role-Based Dashboards
Live counts of pending, approved, rejected & reverted docs.

Document Upload (Maker)
Multi-file upload with department, category & priority tags.

My Documents (Maker)
Search, filter, track status, view comments, resubmit.

Approval Management
Checker queue with search, filters, sort & uploader info.

In-App Document Viewer
PDF, image, Word & Excel viewing with zoom and download.

Review & Approval Workflow
Comment, approve, reject or revert with confirmation & history.

ERP Synchronization
Bi-directional REST API sync for real-time status updates.

03 TECHNOLOGY STACK

Mobile App	Flutter (Android & iOS-ready)
Language	Dart
State Mgmt (GetX)	GetX
API Layer	Dio / REST APIs
Doc. Viewer	Native PDF / Office Viewer
Auth & Security	JWT + Role-Based Access Control

ARCHITECTURE HIGHLIGHTS

- Modular Flutter app: Auth, Dashboard, Upload, Viewer, Workflow, Profile.
- Secure REST integration for data sync, authorization & workflow updates.
- Enterprise-grade security layer: JWT, RBAC, encrypted storage, session timeout.

04 RESULTS & VALUE DELIVERED

Faster Approvals
Mobile-first workflow reduces approval cycle time vs. desktop ERP.

Full Transparency
Real-time status tracking and complete approval history for every document.

Stronger Governance
Role-based access ensures only authorized users create, review or approve.

05 FUTURE ROADMAP

- Push notifications for submissions, approvals, rejections & reminders.
- Analytics-driven insights into approval performance and bottlenecks.
- Digital signatures and intelligent document automation.

06 CONCLUSION

The Maker–Checker Mobile Application by Zerovaega Technologies transforms enterprise approvals into a secure, mobile-first, global workflow — empowering organizations worldwide with speed, control, transparency, and intelligence.