

A close-up photograph of a person's hands. The left hand holds a black smartphone, and the right hand holds a bright red rectangular tag. The tag is attached to a piece of light-colored fabric, possibly a shirt, which is hanging on a rack. In the background, other colorful clothing items like purple and teal shirts are visible. The overall scene suggests a retail or service environment.

Common Aggregated
Payment platform for
improved public service

An eGovernance initiative
in West Africa

Background

We built a payment platform for one of our African clients. There was a big need to create an organized payment ecosystem to resolve the existing problem of heavy reliance on cash-based transaction. The existing market landscape in the country - with a large un-banked population and prevalence of monetary frauds and lack of security being major concerns - innovative and unconventional methods to leverage the case money in online portals were sought. The conventional systems (e.g., credit cards, net-banking) are not prevalent in this region of the world as, again, it is a heavily cash dominated region. Plastic money (credit card) is sparingly used. There is no net-banking consolidation either for usage by third-party merchant applications.

Key Challenges

The primary challenge was to develop an online payment platform which can be used by common people for making their payments for varied purposes. To ensure that the solution is easily and effectively used by majority population, multiple options for payments were required to be developed. Special care was required to be taken for the security feature in the solution, so that the customers can use the solution without any fear of fraud. To make this solution widely acceptable, it was required to be integrated with a Core Banking Solution (CBS) of majority of banks present in this region.

Our Solution

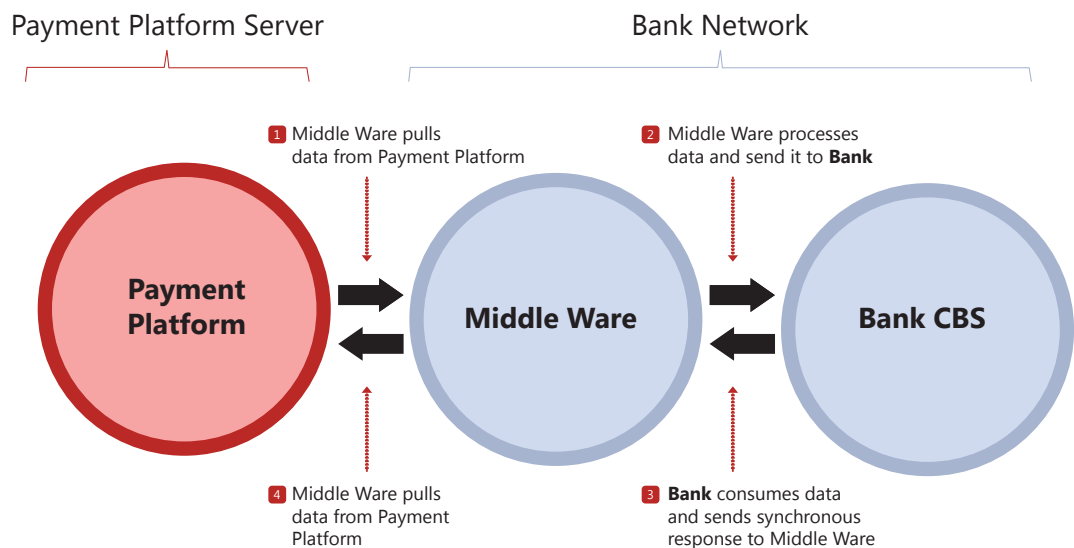
An online payment solution called - unique and one of its kinds - was developed by TekMindz. The solution enables companies and institutions to present bills to their customers in a simplified and transparent manner. The solution allows customers to make payments on the presented bills in a manner that ensures that the payment is validated and the company and/or institution receives its funds. The service provides customers with multiple payment options and allows companies and institutions to focus on core business rather than worry about billing and payment collection. The solution developed is robust and completely security proof with special measures taken regarding account flexibility, performance, stability and ease of use of the application. The solution is further extended with:

Mobile Interface: Integrated Mobile Application can work with most mobile supported internet communication channels such as GPRS, WiFi etc. to connect to the server placed on Cloud. The application is available for various platforms including Android, iOS, Blackberry and custom Mobile POS etc.

Extended International Services: This add-on is being developed over core payment platform to extend payment services in international currencies including USD, Euro, and Pound Sterling etc.

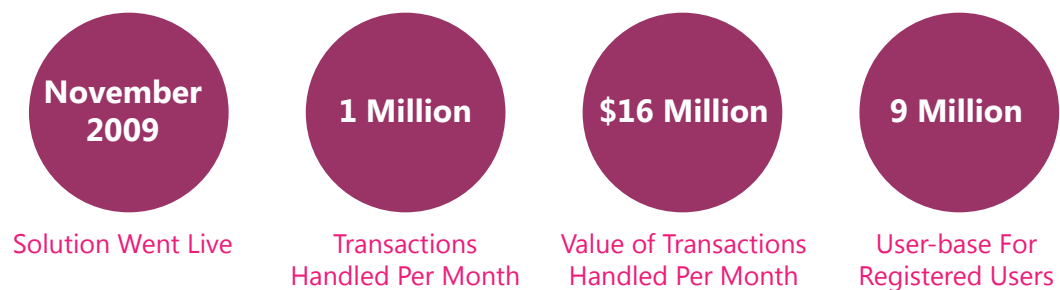
Features

- Real Time User Authentication
- User Privileges – Access Control Mechanism
- eWallet to eWallet Fund Transfer
- Check Balance - Funds in eWallet
- Real Time Payment Request for other eWallet
- Monitoring of Payment Requests
- Approval of payment request
- Integration with Core Banking Solution of Major Banks
- Developed with security standards including VBV & MCS



Results

The application has now been functional for over four years and is continuously evolving. Major national banks have been further added. Over 50 Merchants have collaborated for payment of their products and a complete custom payment mechanism and a complete, dedicated accounting system has been developed for the application.



About TekMindz

TekMindz is an IT consulting & technology services company with headquarters in India, serving clients across Asia/Pacific, Middle East, North America and Africa. Bringing together technology, people and processes across diverse sectors for organizations around the world, TekMindz enables business enterprises and governments to most effectively serve their customers and citizens.

Know more about us by visiting our website at www.tekmindz.com

India Headquarters

Samin TekMindz India Pvt. Ltd.
H-171, Ground Floor,
Sector 63,
Noida – 201307 (U.P.) India
Tel : +91 120 6137000

The Americas

Samin TekMindz, Inc.
2711 Centerville Road,
Suite 400 Wilmington,
DE 19808
Tel: +1-408-512-2275
+1-408-692-7621

Copyright

Samin TekMindz (I) Pvt. Ltd. All rights reserved.

No part of this document may be reproduced or transmitted in any other form or by any means, electronic or otherwise, including photocopying, reprinting or recording, for any purpose, without the written permission of Samin TekMindz.

Disclaimer

Information in this document is subject to change without prior notice, implied or express, and must not be interpreted as a commitment on part of Samin TekMindz, Samin TekMindz does not assume any responsibility or make any warranty against errors that may appear in this document and forswear any implied warranty of merchantability and worthiness for any purpose. URLs mentioned in this document, being the copyright of their respective owners, maybe changed by them anytime, without prior notice, and may not lead to the mentioned webpage.

Trademark

All other companies, brands, products or service names mentioned in this document are trademarks/registered trademarks of their respective owners.