

NFC Payment App built for Android based Point of Sale Hardware

Objective

How does an organization process huge volumes of digital payments for NFC based cards and transform itself into a modern, agile business? That was the challenge faced by our end client, a leading service provider based in Australia. Other challenge which came was integrating real-time payment authorization for customer transactions through the Android based POS. After evaluating several other vendors, the client finalized Rishabh Software as their preferred mobile app development partner based on the mobility expertise, various skill set, and vast experience in building NFC based mobile applications.

Challenges

- Real-time payment authorization
- User Onboarding & User Experience
- Data Security
- Hardware Device Error & Exception Handling

Approach

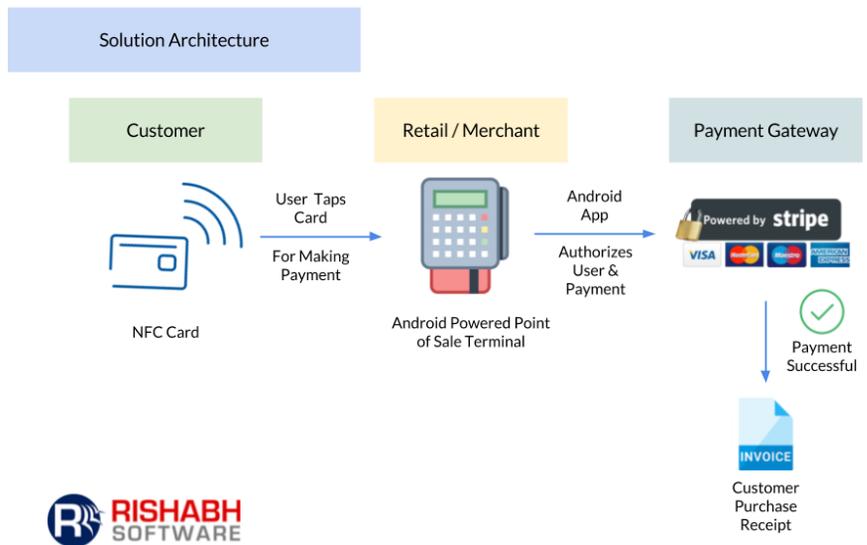
Rishabh Software's team implemented mobile first approach for simplifying user onboarding and developing engaging user experience. The overall approach was to deliver a secure, agile, and intuitive payment app for the Android POS terminals to process millions of NFC based payments.

Android native application development was used backed by material design. Stripe payment integration was used to authorize real-time payments and Amazon EC2, NodeJS, and DynamoDB was used to develop the app.

The solution was built in a planned phase manner, starting with a "Proof of Concept" to test and validate market acceptance of the proposed concept to developing the final native NFC app. Our solution simplified the payment processing and transacted millions of digital payments with real-time payment authorization with Stripe. Multidisciplinary teams from Rishabh Software was deployed to architect, develop and deploy the NFC based payment app.

Business Benefits

- Simplified payment processing
- Secured authorization with Stripe
- Saves payment processing time by 80%
- Better user experience with minimalistic navigation structure



Industry Segment

Digital Enterprise

Customer Profile

Australia based service provider

Technology and Tools

- Android
- Stripe Payment
- Amazon EC2
- NodeJS
- DynamoDB

About Rishabh Software

Rishabh Software is a CMMI 3, ISO9001, ISO 27001, Microsoft Gold Partner & Oracle Gold Partner providing application development services & solutions to mid-sized enterprises globally through our offices in the US, UK and India. We leverage the latest technology stacks in Cloud, Mobile, Business Intelligence and other Enterprise technologies helping clients to get the best value of their IT budget. With our team of 250+ application developers, we have implemented 1000+ successful projects across 24 countries. We work on .NET, Java, PHP, iOS, Android, Oracle, IBM and Open Source technologies.



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